abcam

ab201732

Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	Alexa Fluor® 594
Excitation/Emission	Ex: 590nm, Em: 617nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR1034Y
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-Fr

Tested

Species	Rat
Dilution info	1/50 - 1/100
Notes	This product gave a positive signal in rat frozen dentate gyrus tissue fixed with 10% formaldehyde (10 min).

Species	Mouse
Dilution info	1/50 - 1/100
Notes	This product gave a positive signal in rat frozen dentate gyrus tissue fixed with 10% formaldehyde (10 min).

Predicted

Species	Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Expected

Species	Human, Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Expected

Species	Human, Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Expected

Species	Human, Mouse, Rat

Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information GFAP

Function	GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

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Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

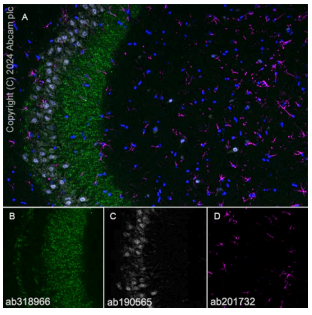
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

40 product images



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

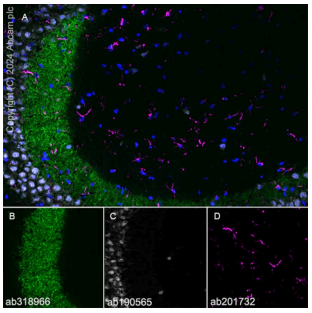
GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (fresh frozen) tissue labeling ProDynorphin with ab318966 at 1/50 (10.06 ug/ml)

dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-ProDynorphin (ab318966, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-ProDynorphin stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The section was incubated in two rounds of staining: in the order of ab318966 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.



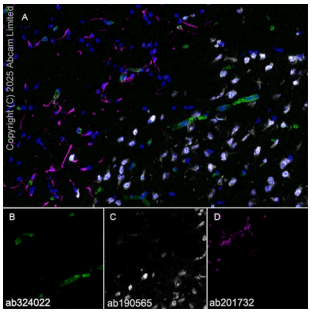
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling ProDynorphin with ab318966 at 1/50 (10.06 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-ProDynorphin (ab318966, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-ProDynorphin stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab318966 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.



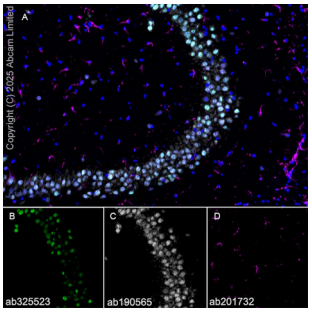
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse cerebrum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum (fresh frozen) tissue labeling Agrin with ab324022 at 1/50 (9.98 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-AGRN (ab324022, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse cerebrum.
Panel B: anti-AGRN stained in endothelial cells on mouse cerebrum.

Panel C: anti-NeuN stained in neurons of mouse cerebrum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebrum.
The section was incubated in two rounds of staining: in the order of ab324022 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



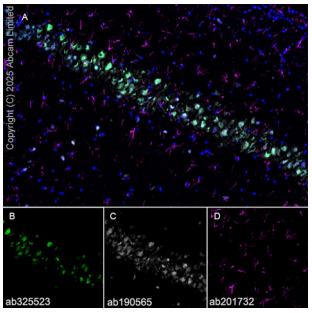
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling Mineralocorticoid Receptor with ab325523 at 1/50 (9.92 µg/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 µg/mL dilution (Green).

Panel A: merged staining of anti-NR3C2 (ab325523, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-NR3C2 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.

The section was incubated in two rounds of staining: in the order of ab325523 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



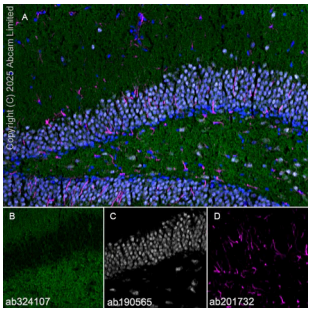
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (fresh frozen) tissue labeling Mineralocorticoid Receptor with ab325523 at 1/50 (9.92 µg/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 µg/mL dilution (Green).

Panel A: merged staining of anti-NR3C2 (ab325523, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-NR3C2 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.

The section was incubated in two rounds of staining: in the order of ab325523 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

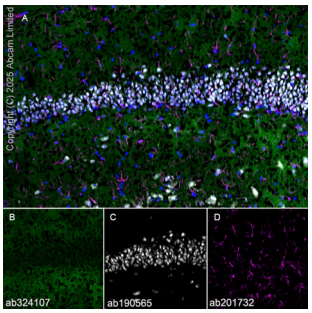


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling Neogenin with ab324107 at 1/50 (9.76 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Neogenin (ab324107, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-Neogenin stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab324107 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

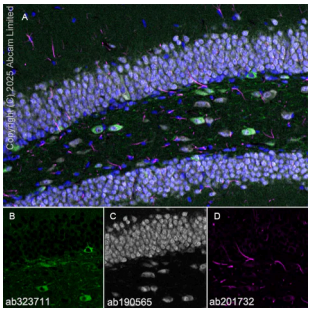


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (fresh frozen) tissue labeling Neogenin with ab324107 at 1/50 (9.76 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Neogenin (ab324107, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-Neogenin stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The section was incubated in two rounds of staining: in the order of ab324107 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

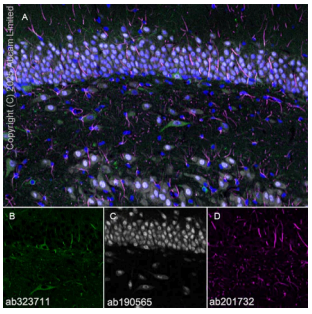
GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (perfused fixed) tissue labeling SCRN1 with ab323711 at 150 (9.96 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Secernin-1 (ab323711, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-Secernin-1stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab323711 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

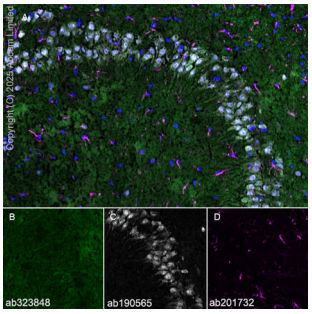
GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (perfused fixed) tissue labeling SCRN1 with ab323711 at 150 (9.96 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Secernin-1 (ab323711, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-Secernin-1 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The section was incubated in two rounds of staining: in the order of ab323711 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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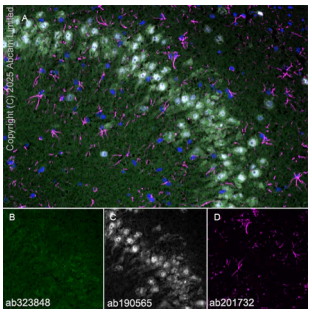
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling Synaptojanin with ab323848 at 1/50 (10.62 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-Synaptojanin-1 (ab323848, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-Synaptojanin-1 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab323848 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution.



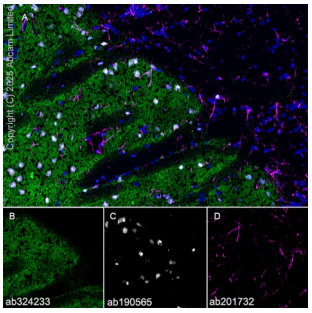
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (fresh frozen) tissue labeling Synaptojanin with ab323848 at 1/50 (10.62 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-Synaptojanin-1 (ab323848, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-Synaptojanin-1 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The section was incubated in two rounds of staining: in the order of ab323848 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

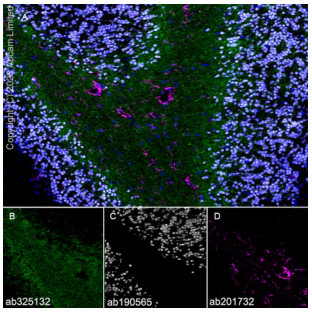
GFAP Immunohistochemistry (Frozen sections) staining of Rat striatum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat striatum (fresh frozen) tissue labeling SV2C with ab324233 at 1/50 (10.36 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (Green).

Panel A: merged staining of anti-SV2C (ab324233, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat striatum.
Panel B: anti-SV2C stained on rat striatum.
Panel C: anti-NeuN stained in neurons of mouse striatum.
Panel D: anti-GFAP stained in astrocytes of rat cerebrum.
The section was incubated in two rounds of staining: in the order of ab324233 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was

then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 dilution.

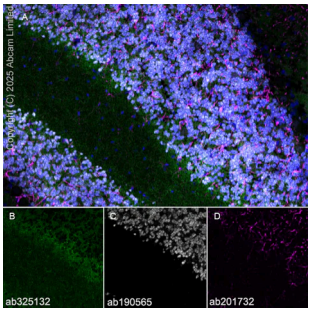


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse cerebellum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebellum (fresh frozen) tissue labeling GPR37 (C terminal) with ab325132 at 1/50 (9.7 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-GPR37 (ab325132, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse cerebellum.
Panel B: anti-GPR37 stained on mouse cerebellum.
Panel C: anti-NeuN stained in neurons of mouse cerebrum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebellum.
The section was incubated in two rounds of staining: in the order of ab325132 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

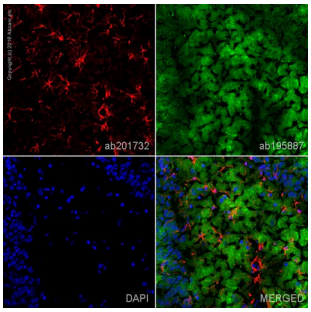


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebellum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat cerebellum (fresh frozen) tissue labeling GPR37 (C terminal) with ab325132 at 1/50 (9.7 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-GPR37 (ab325132, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat cerebellum.
Panel B: anti-GPR37 stained on rat cerebellum.
Panel C: anti-NeuN stained in neurons of rat cerebrum.
Panel D: anti-GFAP stained in astrocytes of rat cerebellum.
The section was incubated in two rounds of staining: in the order of ab325132 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



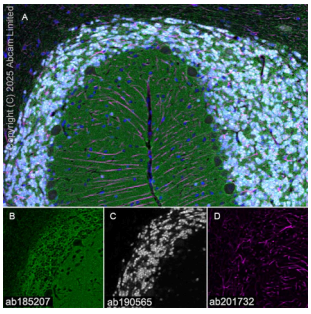
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining using rabbit Anti-GFAP antibody

IHC image of GFAP staining in a section of frozen normal rat dentate gyrus.
The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with ab201732 at 1/100 (**pseudocolored in red**) and counterstained using ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Fluoromount®.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

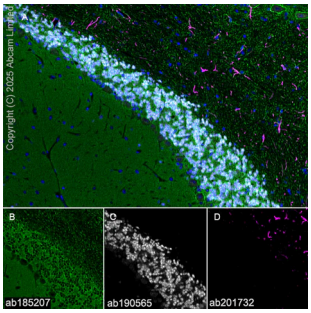
For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebellum using rabbit Anti-GFAP antibody

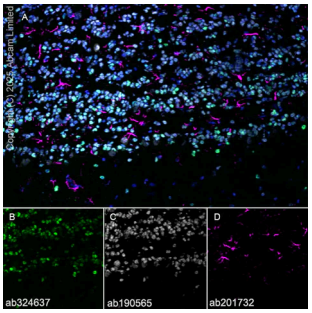
Immunohistochemical analysis of 4% PFA-fixed/ 0.2% Triton X-100 permeabilized frozen rat cerebellum labeling ATP1B2 (ab185207), NeuN (ab190565) and GFAP (ab201732) at 1/400 dilution (2.56 µg/ml). Panel A: merged staining of anti-ATP1B2 (ab185207, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat cerebellum. Panel B: anti-ATP1B2 stained on rat cerebellum. Panel C: anti-NeuN stained in neurons of rat cerebellum. Panel D: anti-GFAP stained in astrocytes of rat cerebellum. The section was incubated in two rounds of staining: in the order of ab185207 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of mouse cerebellum using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed/ 0.2% Triton X-100 permeabilized frozen mouse cerebellum labeling ATP1B2 (ab185207), NeuN (ab190565) and GFAP (ab201732) at 1/400 dilution (2.56 µg/ml). Panel A: merged staining of anti-ATP1B2 (ab185207, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse cerebellum. Panel B: anti-ATP1B2 stained on mouse cerebellum. Panel C: anti-NeuN stained in neurons of mouse cerebellum. Panel D: anti-GFAP stained in astrocytes of mouse cerebellum. The section was incubated in two rounds of staining: in the order of ab185207 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



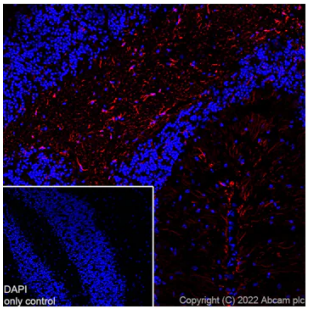
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse olfactory bulb (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse olfactory bulb (fresh frozen) tissue labeling Sp8 with ab324637 at 1/50 (9.78 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-SP8 (ab324637, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse olfactory bulb.
Panel B: anti-SP8 stained on mouse olfactory bulb.
Panel C: anti-NeuN stained in neurons of mouse olfactory bulb.
Panel D: anti-GFAP stained in astrocytes of mouse olfactory bulb.
The section was incubated in two rounds of staining: in the order of ab324637 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

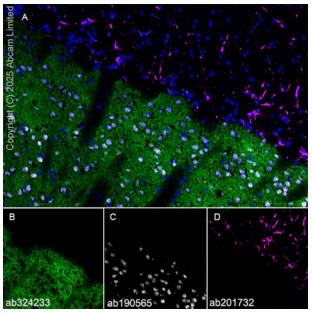
Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution.



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebellum tissue labeling GFAP with ab201732 at 1/50 (10 ug/ml) dilution. The nuclear counterstain was DAPI (Blue).



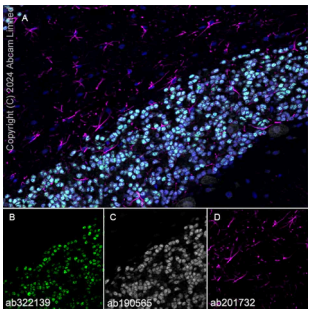
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse striatum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse striatum (fresh frozen) tissue labeling SV2C with ab324233 at 1/50 (10.36 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-SV2C (ab324233, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse striatum.
Panel B: anti-SV2C stained on mouse striatum.
Panel C: anti-NeuN stained in neurons of mouse striatum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebrum.
The section was incubated in two rounds of staining: in the order of ab324233 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution.



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

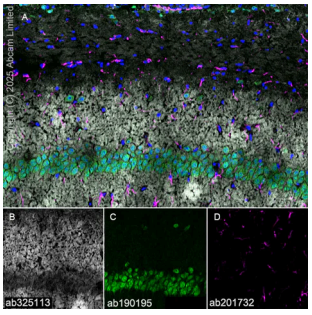
GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebellum (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat cerebellum (perfused fixed) tissue labeling ER81/ETV1 with ab322139 at 1/50 (9.94 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-ETV1 (ab322139, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on rat cerebellum.
Panel B: anti-ETV1 stained on rat cerebellum.
Panel C: anti-NeuN stained in neurons of rat cerebellum.
Panel D: anti-GFAP stained in astrocytes of rat cerebellum.
The section was incubated in two rounds of staining: in the order of ab322139 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)

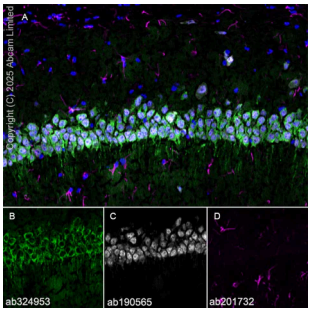


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling SAP102 with ab325113 at 1/50 (10.0 ug/ml) dilution (White).

Panel A: merged staining of anti-DLG3 (ab325113, white), anti-NeuN (ab190195, green) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-DLG3 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab325113 and ab190195, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



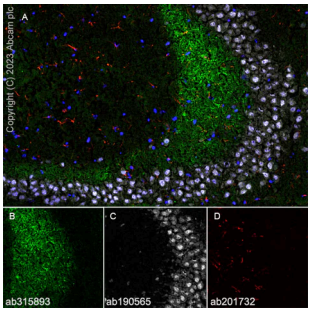
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling Neurobeachin with ab324953 at 1/500 (1.0 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-NBEA (ab324953, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-NBEA stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab324953 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution.



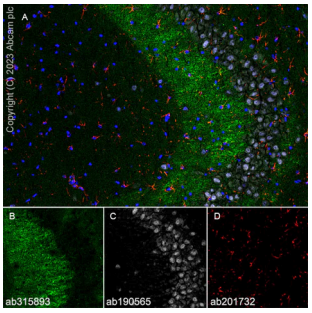
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocmapus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocmapus (fresh frozen) tissue labeling Munc18-1 with ab315893 at 1/50 (9.8 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Munc18-1 (ab315893, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, red) on mouse hippocampus.
Panel B: anti-Munc18-1 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The nuclear counterstain was DAPI (Blue). The section was incubated with ab315893 for 60 mins at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.



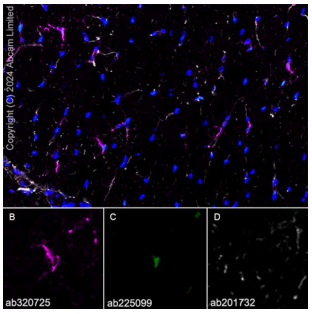
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocmapus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocmapus (fresh frozen) tissue labeling Munc18-1 with ab315893 at 1/50 (9.8 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Munc18-1 (ab315893, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, red) on rat hippocampus.
Panel B: anti-Munc18-1 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The nuclear counterstain was DAPI (Blue). The section was incubated with ab315893 for 60 mins at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.



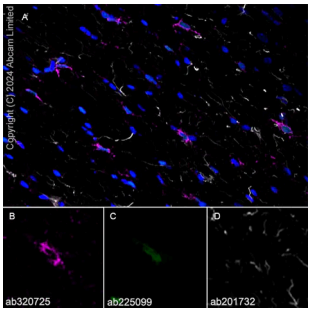
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse cerebrum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum (fresh frozen) tissue labeling ITPR2 with ab320725 at 1/50 (10.62 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-ITPR2 (ab320725, magenta), anti-Olig2 (ab225099, green) and anti-GFAP (ab201732, grey) on mouse cerebrum.
Panel B: anti-ITPR2 stained on mouse cerebrum.
Panel C: anti-Olig2 stained in oligodendrocyte of mouse cerebrum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebrum.
The section was incubated in two rounds of staining: in the order of ab320725 and ab225099, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution.



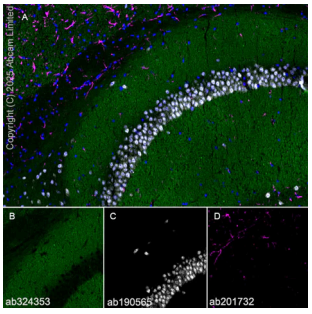
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebrum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat cerebrum (fresh frozen) tissue labeling ITPR2 with ab320725 at 1/50 (10.62 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-ITPR2 (ab320725, magenta), anti-Olig2 (ab225099, green) and anti-GFAP (ab201732, grey) on rat cerebrum.
Panel B: anti-ITPR2 stained on rat cerebrum.
Panel C: anti-Olig2 stained in oligodentrocytes of rat cerebrum.
Panel D: anti-GFAP stained in astrocytes of rat cerebrum.
The section was incubated in two rounds of staining: in the order of ab320725 and ab225099, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution.



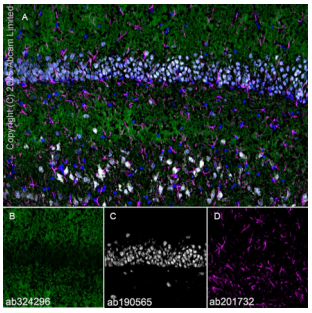
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse cerebrum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum (fresh frozen) tissue labeling Eph receptor A4/SEK with ab324353 at 1/200 (2.56 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-EPHA4 (ab324353, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse cerebrum.
Panel B: anti-EPHA4 stained on mouse cerebrum.
Panel C: anti-NeuN stained in neurons of mouse cerebrum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebrum.
The section was incubated in two rounds of staining: in the order of ab324353 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.

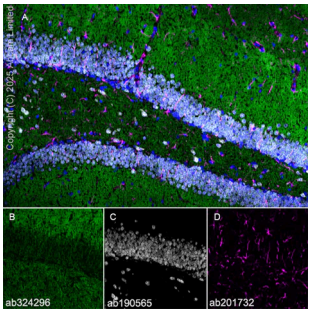


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (fresh frozen) tissue labeling SAP102 with ab324296 at 1/50 (10.0 ug/ml) dilution (Green).

Panel A: merged staining of anti-SAP102 (ab324296, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-SAP102 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The nuclear counterstain was DAPI (Blue). The section was incubated with ab324296, ab190565 and ab201732 for 60 min at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

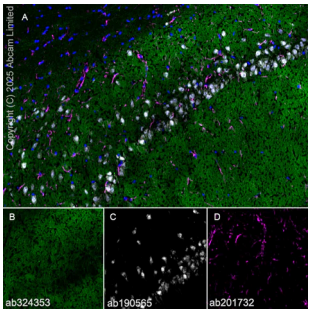


Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (fresh frozen) tissue labeling SAP102 with ab324296 at 1/50 (10.0 ug/ml) dilution (Green).

Panel A: merged staining of anti-SAP102 (ab324296, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-SAP102 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The nuclear counterstain was DAPI (Blue). The section was incubated with ab324296, ab190565 and ab201732 for 60 min at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

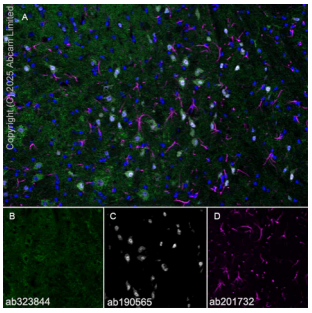
GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebrum (fresh frozen) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat cerebrum (fresh frozen) tissue labeling Eph receptor A4/SEK with ab324353 at 1/200 (2.56 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-EPHA4 (ab324353, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat cerebrum.
Panel B: anti-EPHA4 stained on rat cerebrum.
Panel C: anti-NeuN stained in neurons of rat cerebrum.

Panel D: anti-GFAP stained in astrocytes of rat cerebrum.
The section was incubated in two rounds of staining: in the order of ab324353 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

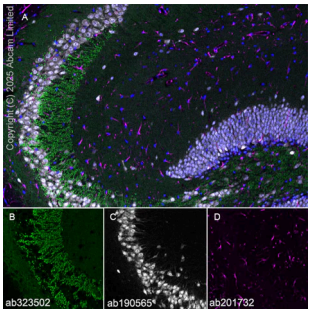
GFAP Immunohistochemistry (Frozen sections) staining of Mouse cerebrum (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum (perfused fixed) tissue labeling GDAP1 with ab323844 at 1/50 (10.08 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-GDAP1 (ab323844, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on mouse cerebrum.
Panel B: anti-GDAP1 stained on mouse cerebrum.
Panel C: anti-NeuN stained in neurons of mouse cerebrum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebrum.
The section was incubated in two rounds of staining: in the order of ab323844 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (perfused fixed) using rabbit Anti-GFAP antibody

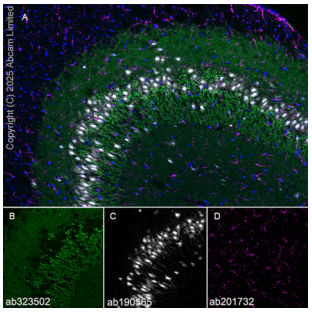
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (perfused fixed) tissue labeling GABRA4 with ab323502 at 1/50 (10.24 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (AlexaFluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-GABRA4 (ab323502, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on mouse hippocampus.
Panel B: anti-GABRA4 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab323502 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was

then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (AlexaFluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

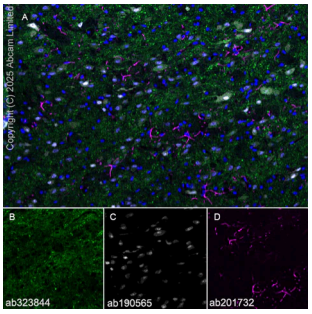
GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (perfused fixed) tissue labeling GABRA4 with ab323502 at 1/50 (10.24 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (AlexaFluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-GABRA4 (ab323502, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on rat hippocampus.
Panel B: anti-GABRA4 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The section was incubated in two rounds of staining: in the order of ab323502 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (AlexaFluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebrum (perfused fixed) using rabbit Anti-GFAP antibody

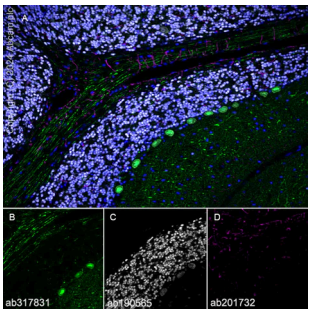
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat cerebrum (perfused fixed) tissue labeling GDAP1 with ab323844 at 1/50 (10.08 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green).

Panel A: merged staining of anti-GDAP1 (ab323844, green), anti-NeuN (ab190565, white) and anti-GFAP (ab201732, magenta) on rat cerebrum.
Panel B: anti-GDAP1 stained on rat cerebrum.
Panel C: anti-NeuN stained in neurons of rat cerebrum.
Panel D: anti-GFAP stained in astrocytes of rat cerebrum.
The section was incubated in two rounds of staining: in the order of ab323844 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was

then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

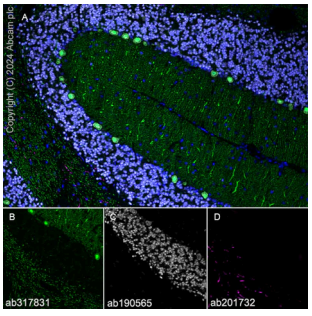
GFAP Immunohistochemistry (Frozen sections) staining of Rat cerebellum (perfused-fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized Rat cerebellum (perfused-fixed) tissue labeling Ppp1r17 with ab317831 at a 1/500 (1.046 µg/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at a 1/1000 (2 µg/mL) dilution.

Panel A: merged staining of anti-Ppp1r17 (ab317831, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on rat cerebellum.
Panel B: anti-Ppp1r17 stained on rat cerebellum.
Panel C: anti-NeuN stained in neurons of rat cerebellum.
Panel D: anti-GFAP stained in astrocytes of rat cerebellum.

The section was incubated in two rounds of staining: in the order of ab317831 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Mouse cerebellum (perfused-fixed) using rabbit Anti-GFAP antibody

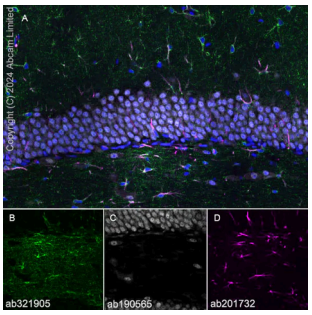
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized Mouse cerebellum (perfused-fixed) tissue labeling Ppp1r17 with ab317831 at a 1/500 (1.046 µg/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at a 1/1000 (2 µg/mL) dilution.

Panel A: merged staining of anti-Ppp1r17 (ab317831, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, magenta) on mouse cerebellum.
Panel B: anti-Ppp1r17 stained on mouse cerebellum.
Panel C: anti-NeuN stained in neurons of mouse cerebellum.
Panel D: anti-GFAP stained in astrocytes of mouse cerebellum.

The section was incubated in two rounds of staining: in the order of ab317831 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems

BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

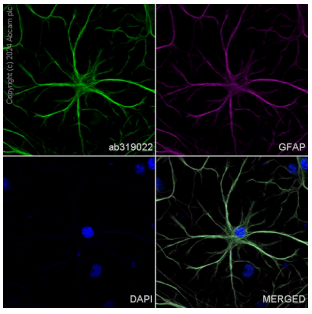
GFAP Immunohistochemistry (Frozen sections) staining of Mouse hippocampus (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse hippocampus (perfused fixed) tissue labeling ALDH1L1 with ab321905 at 1/100 (5.16 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Aldh1l1 (ab321905, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, red) on mouse hippocampus.
Panel B: anti-Aldh1l1 stained on mouse hippocampus.
Panel C: anti-NeuN stained in neurons of mouse hippocampus.
Panel D: anti-GFAP stained in astrocytes of mouse hippocampus.
The section was incubated in two rounds of staining: in the order of ab321905 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)



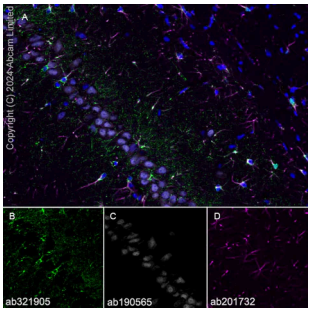
Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunocytochemistry/ Immunofluorescence staining of Rat primary neural/glia cell using rabbit Anti-GFAP antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized rat primary neural/glia cell cells labelling GFAP with ab319022 at 1/50 (10.0 ug/ml) dilution (Green).

Confocal image showing cytoplasmic staining in rat primary glia cell (shown in green). The counterstain was observed in magenta. Nuclear DNA was labeled with DAPI (shown in blue). Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8).

ab201732 Anti-GFAP rabbit monoclonal antibody (Alexa Fluor® 594) was used to counterstain tubulin at 1/None dilution (Magenta). The Nuclear counterstain was DAPI (Blue).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-GFAP antibody [EPR1034Y] - Astrocyte Marker (ab201732)

GFAP Immunohistochemistry (Frozen sections) staining of Rat hippocampus (perfused fixed) using rabbit Anti-GFAP antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat hippocampus (perfused fixed) tissue labeling ALDH1L1 with ab321905 at 1/100 (5.16 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green).

Panel A: merged staining of anti-Aldh1l1 (ab321905, green), anti-NeuN (ab190565, grey) and anti-GFAP (ab201732, red) on rat hippocampus.
Panel B: anti-Aldh1l1 stained on rat hippocampus.
Panel C: anti-NeuN stained in neurons of rat hippocampus.
Panel D: anti-GFAP stained in astrocytes of rat hippocampus.
The section was incubated in two rounds of staining: in the order of ab321905 and ab190565, ab201732 for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)

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