abcam

ab282022

Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free

Recombinant | RabMAb | Advanced Validation

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR23527-534
Purification technique	Affinity purification Protein A
Concentration	1.012 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

mIHC

Tested

Species	Mouse, Rat, Human
Dilution info	-

Notes	-

IP

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Rat
Dilution info	-
Notes	-

Not recommended

Species	Mouse, Human
Dilution info	-
Notes	-

WB

Tested

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

IHC-P

Tested

Species	Mouse, Rat
Dilution info	-

Notes	-

Expected

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

IHC-Fr

Tested

Species	Mouse, Rat
Dilution info	-
Notes	-

Expected

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

Target data

See full target information SLC6A2

Function	Mediates sodium- and chloride-dependent transport of norepinephrine (also known as noradrenaline), the primary signaling neurotransmitter in the autonomic sympathetic nervous system (PubMed:2008212, PubMed:8125921, PubMed:38750358). Is responsible for norepinephrine re-uptake and clearance from the synaptic cleft, thus playing a crucial role in norepinephrine inactivation and homeostasis (By similarity). Can also mediate sodium- and chloride-dependent transport of dopamine (PubMed:11093780, PubMed:8125921, PubMed:39395208, PubMed:39048818).

Storage

Shipped at conditions	Blue Ice

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab282022 is the carrier-free version of ab254361.

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.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	The noradrenaline transporter also known as norepinephrine transporter (NET) is a protein that transports the neurotransmitter noradrenaline from the synaptic cleft back into the presynaptic neuron. This process is important for terminating noradrenaline signaling and maintaining neurotransmitter balance. The mass of the noradrenaline transporter is approximately 70 kDa. This transporter is mainly expressed in neuronal cells in the central and peripheral nervous systems as well as in the adrenal glands where noradrenaline plays an important role in response mechanisms.
Biological function summary	The noradrenaline transporter functions to regulate extracellular levels of noradrenaline which is essential for proper functioning of the sympathetic nervous

	system. It is vital in the reuptake mechanism that controls the duration and intensity of noradrenaline's action. The transporter forms part of a larger complex that involves various proteins and binding molecules that facilitate noradrenaline reuptake efficiently by ensuring synaptic concentration of needed ions.
Pathways	The activity of the noradrenaline transporter is an integral part of the adrenergic signaling pathway which is instrumental in the body's response to stress. This pathway includes complex interactions involving G protein-coupled receptors and proteins like dopamine transporter which sometimes parallel its action. The transporter is also involved in the catecholamine biosynthesis pathway which is responsible for the production and breakdown of neurotransmitters including adrenaline and dopamine.
Associated diseases and disorders	Alterations in the expression or function of the noradrenaline transporter have been associated with conditions such as depression and attention-deficit hyperactivity disorder (ADHD). In these conditions altered transporter function can lead to neurotransmitter imbalance affecting mood and attention. Research has also indicated potential links with other proteins like serotonin transporter in mood disorders highlighting its involvement in broader neurochemical networks.

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

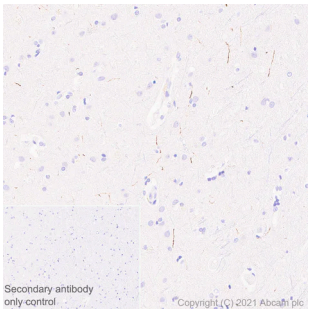
We do not recommend this combination. It is not covered by our product promise.

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.

22 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

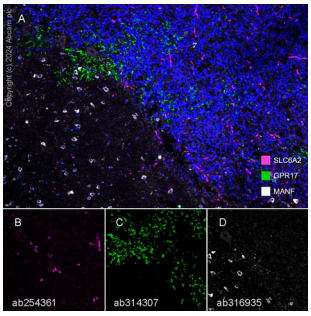
Noradrenaline transporter Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labelling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab254361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Positive staining in human cerebrum.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Multiplex immunohistochemistry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

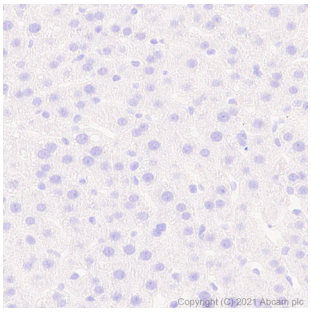
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab254361).

Multiplex immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded human cerebrum tissue section labelling Noradrenaline transporter with ab254361 at a 1/100 dilution (B), GPCR GPR17 with ab314307 at a 1/500 dilution (C), and ARMET/ARP with ab316935 at a 1/1000 dilution (D). Nuclear DNA was labeled with DAPI (shown in blue).

Panel A: merged staining of anti-Noradrenaline transporter (magenta; Opal™ 690), anti-GPCR GPR17 (green; Opal™ 520) and anti-ARMET/ARP (gray; Opal™ 570) on human cerebrum.
Panel B: anti-Noradrenaline transporter staining nerves in human cerebrum.
Panel C: anti-GPCR GPR17 staining oligodendrocytes in human cerebrum.
Panel D: anti-ARMET/ARP staining neurons in human cerebrum.
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

The section was incubated in three rounds of staining: in the order of ab254361, ab314307 and ab316935 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

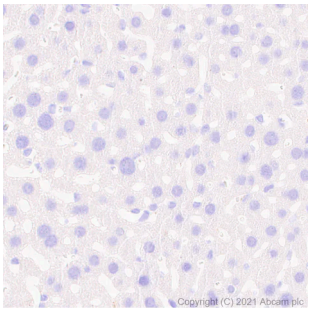
Noradrenaline transporter Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded rat liver tissue labelling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab254361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Negative control: no staining in rat hepatocytes.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

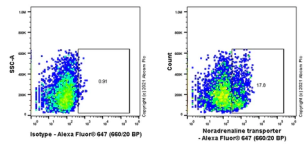
Noradrenaline transporter Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded mouse liver tissue labelling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab254361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Negative control: no staining in mouse hepatocytes.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



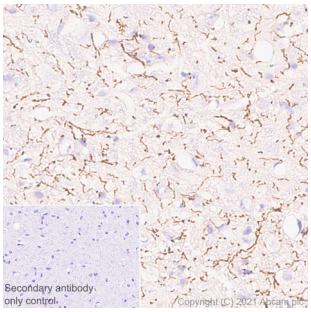
Flow Cytometry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

Noradrenaline transporter Flow Cytometry staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of rat primary neuron cells labelling Noradrenaline transporter with ab254361 at 1/50 dilution (1µg)/ Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control. Goat anti rabbit IgG (Alexa Fluor® 647, ab150079) at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

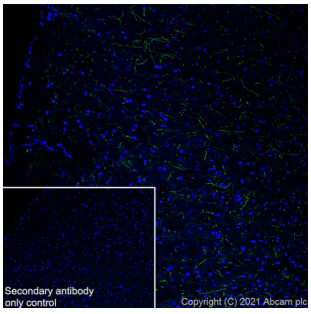
Noradrenaline transporter Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded rat cerebrum tissue labelling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab254361 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Positive staining in rat cerebrum.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunohistochemistry (Frozen sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

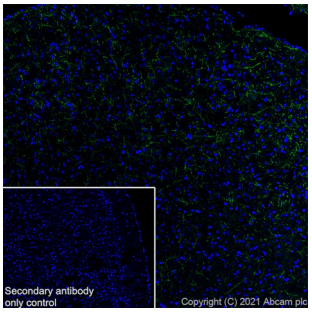
Noradrenaline transporter Immunohistochemistry (Frozen sections) staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat cerebrum tissue labeling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). The nuclear counterstain was DAPI (Blue).

Positive staining on rat cerebrum is observed.

Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)at 1/1000 dilution.

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



Immunohistochemistry (Frozen sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

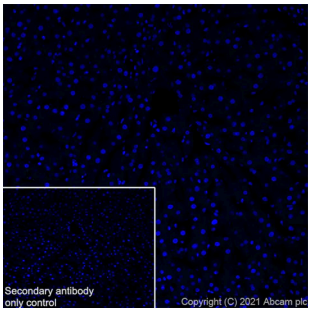
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Positive staining on mouse cerebrum is observed.

Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)at 1/1000 dilution.

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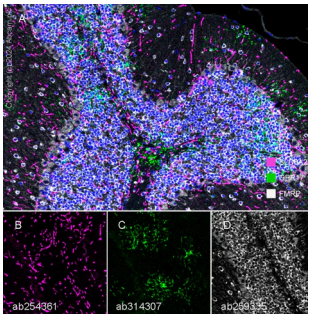
Noradrenaline transporter Immunohistochemistry (Frozen sections) staining using rabbit Anti-Noradrenaline transporter antibody

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Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat liver tissue labeling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). The nuclear counterstain was DAPI (Blue).

Negative control: No staining on rat liver (PMID: 12807698) is observed.

Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)at 1/1000 dilution.

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



Multiplex immunohistochemistry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

This data was developed using ab254361, the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebellum labelling Noradrenaline transporter with ab254361 at 1/100 (B), GPCR GPR17 with ab314307 at 1/2000 dilution (C) and FMRP with ab259335 at 1/10000 dilution (D). Opal Polymer HRP Ms + Rb was used as a secondary antibody, and Nuclear DNA was labeled with DAPI (shown in

blue). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

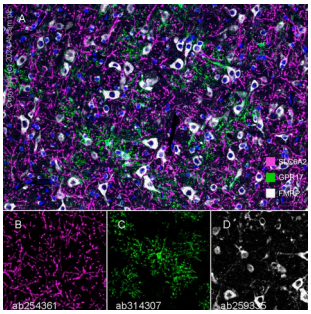
Panel A: merged staining of anti-Noradrenaline transporter (magenta; Opal™690), anti-GPCR GPR17 (green; Opal™520) and anti-FMRP (gray; Opal™570) on mouse cerebellum.

Panel B: anti-Noradrenaline transporter staining nerves in mouse cerebellum.

Panel C: anti-GPCR GPR17 staining oligodendrocytes in mouse cerebellum.

Panel D: anti-FMRP staining neurons in mouse cerebellum.

The section was incubated in three rounds of staining: in the order of ab254361, ab314307 and ab259335 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



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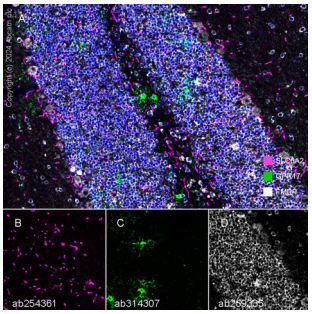
Panel B: anti-Noradrenaline transporter staining nerves in mouse cerebrum.

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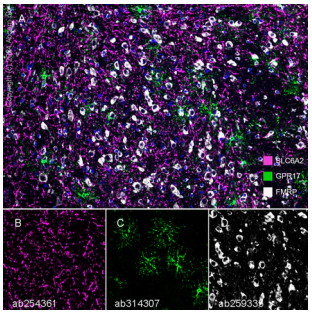
Panel B: anti-Noradrenaline transporter staining nerves in rat cerebellum.

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Multiplex immunohistochemistry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

Noradrenaline transporter Multiplex immunohistochemistry staining of Rat cerebrum using rabbit Anti-Noradrenaline transporter antibody

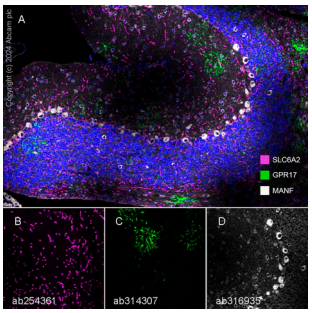
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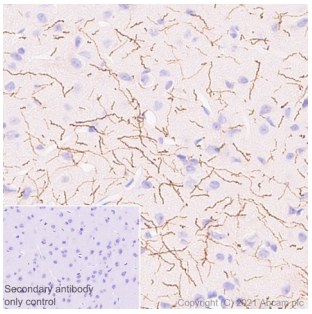
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab254361).

Multiplex immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded mouse cerebellum tissue section labelling Noradrenaline transporter with ab254361 at a 1/100 dilution (B), GPCR GPR17 with ab314307 at a 1/2000 dilution (C), and ARMET/ARP with ab316935 at a 1/20000 dilution (D). Nuclear DNA was labeled with DAPI (shown in blue).

Panel A: merged staining of anti-Noradrenaline transporter (magenta; Opal™ 690), anti-GPCR GPR17 (green; Opal™ 520) and anti-ARMET/ARP (gray; Opal™ 570) on mouse cerebellum.
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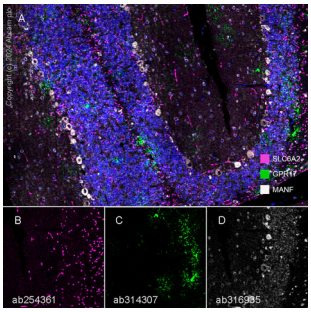
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Positive staining in mouse cerebrum.

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Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Multiplex immunohistochemistry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

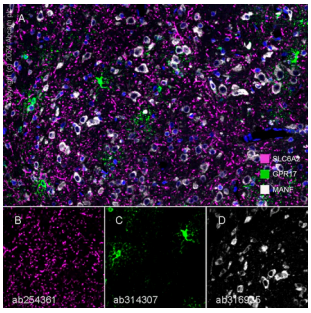
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab254361).

Multiplex immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded rat cerebellum tissue section labelling Noradrenaline transporter with ab254361 at a 1/100 dilution (B), GPCR GPR17 with ab314307 at a 1/2000 dilution (C), and ARMET/ARP with ab316935 at a 1/20000 dilution (D). Nuclear DNA was labeled with DAPI (shown in blue).

Panel A: merged staining of anti-Noradrenaline transporter (magenta; Opal™ 690), anti-GPCR GPR17 (green; Opal™ 520) and anti-ARMET/ARP (gray; Opal™ 570) on rat cerebellum.
Panel B: anti-Noradrenaline transporter staining nerves in rat cerebellum.
Panel C: anti-GPCR GPR17 staining oligodendrocytes in rat cerebellum.
Panel D: anti-ARMET/ARP staining neurons in rat cerebellum.
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

The section was incubated in three rounds of staining: in the order of ab254361, ab314307 and ab316935 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Multiplex immunohistochemistry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

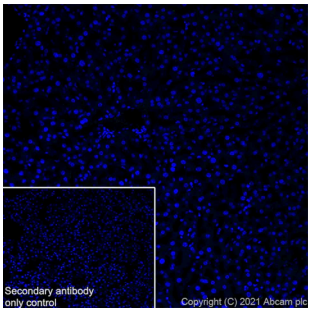
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab254361).

Multiplex immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded rat cerebrum tissue section labelling Noradrenaline transporter with ab254361 at a 1/100 dilution (B), GPCR GPR17 with ab314307 at a 1/2000 dilution (C), and ARMET/ARP with ab316935 at a 1/20000 dilution (D). Nuclear DNA was labeled with DAPI (shown in blue).

Panel A: merged staining of anti-Noradrenaline transporter (magenta; Opal™ 690), anti-GPCR GPR17 (green; Opal™ 520) and anti-ARMET/ARP (gray; Opal™ 570) on rat cerebrum.
Panel B: anti-Noradrenaline transporter staining nerves in rat cerebrum.
Panel C: anti-GPCR GPR17 staining oligodendrocytes in rat cerebrum.
Panel D: anti-ARMET/ARP staining neurons in rat cerebrum.
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

The section was incubated in three rounds of staining: in the order of ab254361, ab314307 and ab316935 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Immunohistochemistry (Frozen sections) - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

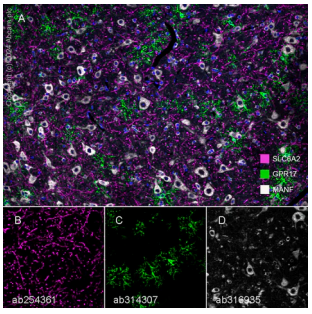
Noradrenaline transporter Immunohistochemistry (Frozen sections) staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse liver tissue labeling Noradrenaline transporter with ab254361 at 1/100 (5.33 µg/ml) dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). The nuclear counterstain was DAPI (Blue).

Negative control: No staining on mouse liver (PMID: 12807698) is observed.

Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)at 1/1000 dilution.

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



Multiplex immunohistochemistry - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

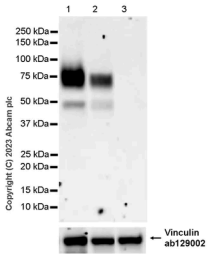
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab254361).

Multiplex immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded mouse cerebrum tissue section labelling Noradrenaline transporter with ab254361 at a 1/100 dilution (B), GPCR GPR17 with ab314307 at a 1/2000 dilution (C), and ARMET/ARP with ab316935 at a 1/20000 dilution (D). Nuclear DNA was labeled with DAPI (shown in blue).

Panel A: merged staining of anti-Noradrenaline transporter (magenta; Opal™ 690), anti-GPCR GPR17 (green; Opal™ 520) and anti-ARMET/ARP (gray; Opal™ 570) on mouse cerebrum.
Panel B: anti-Noradrenaline transporter staining nerves in mouse cerebrum.
Panel C: anti-GPCR GPR17 staining oligodendrocytes in mouse cerebrum.
Panel D: anti-ARMET/ARP staining neurons in mouse cerebrum.
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

The section was incubated in three rounds of staining: in the order of ab254361, ab314307 and ab316935 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Western blot - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

Noradrenaline transporter Western blot staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation. Blocking and diluting buffer and concentration: 5% NFDM/TBST. Negative control: 293T. In Western blot, anti-Vinculin antibody (ab129002) staining at 1/10, 000 dilution. Samples are non-boiled as boiling may cause protein aggregation.
All lanes:
Western blot - Anti-Noradrenaline transporter antibody [EPR23527-534] (ab254361) at 1/1000 dilution

Lane 1:
PC-12 (rat adrenal gland pheochromocytoma cell) whole cell lysate at 20 µg

Lane 2:
SH-SY5Y (human neuroblastoma epithelial cell) whole cell lysate at 20 µg

Lane 3:
293T (human embryonic kidney epithelial cell) whole cell lysate at 20 µg

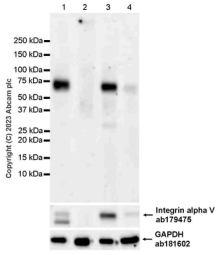
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 69 kDa

Observed band size: 69 kDa

Exposure time: 180s



Western blot - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

Noradrenaline transporter Western blot staining using rabbit Anti-Noradrenaline transporter antibody

This data was developed using ab254361, the same antibody clone in a different buffer formulation.
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

In Western blot, anti-GAPDH antibody (ab181602) staining at 1/200,000 dilution and anti-Integrin alpha V (ab179475) staining at 1/5,000 dilution.

Samples are non-boiled as boiling may cause protein aggregation.

All lanes:
Western blot - Anti-Noradrenaline transporter antibody [EPR23527-534] (ab254361) at 1/1000 dilution

Lane 1:
Mouse brain membrane tissue lysate at 20 µg

Lane 2:
Mouse membrane-depleted tissue lysate at 20 µg

Lane 3:

Rat brain membrane tissue lysate at 20 µg

Lane 4:
Rat membrane-depleted tissue lysate at 20 µg

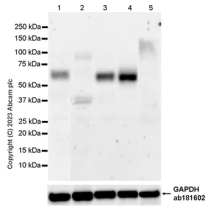
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 69 kDa

Observed band size: 69 kDa

Exposure time: 180s



Western blot - Anti-Noradrenaline transporter antibody [EPR23527-534] - BSA and Azide free (ab282022)

This data was developed using ab254361, the same antibody clone in a different buffer formulation. Blocking and diluting buffer and concentration: 5% NFDM/TBST. Negative control: mouse skeletal muscle and rat liver. In Western blot, anti-GAPDH antibody (ab181602) was used as a GAPDH loading control and staining at 1/200, 000 dilution. Samples are non-boiled as boiling may cause protein aggregation
All lanes:
Western blot - Anti-Noradrenaline transporter antibody [EPR23527-534] (ab254361) at 1/1000 dilution

Lane 1:
Mouse cerebral cortex tissue lysate at 20 µg

Lane 2:
Mouse skeletal muscle tissue lysate at 20 µg

Lane 3:
Rat brain tissue lysate at 20 µg

Lane 4:
Rat dorsal ganglion tissue lysate at 20 µg

Lane 5:
Rat liver tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 69 kDa

Observed band size: 69 kDa

Exposure time: 180s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.