

Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594)

Goat anti-Rabbit IgG H&L (Alexa Fluor® 594)(ab150080) is a secondary antibody with a maximum absorption wavelength of 590 nm and a maximum emission wavelength of 617 nm. Ideal for fluorescent cell and tissue imaging. Suitable for ICC/IF, IHC, Flow cytometry and ELISA.

- Intense fluorescence and high photostability allowing more time for image capture especially when detecting low abundance targets
- Minimal spectral overlap with other Alexa Fluor® dyes makes this ideal for use in multi-color analysis
- Proven performance: cited in over 1000 publications

Key facts

Description	Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594)
Host species	Goat
Target species	Rabbit
Target isotype	IgG
Target specificity	Heavy & Light chains
Conjugation	Alexa Fluor® 594
Excitation/Emission	Ex: 590nm, Em: 617nm
Applications	IHC-Fr, ICC/IF, Flow Cyt, IHC-P, ELISA
Clonality	Polyclonal
Pre-adsorbed	No
Isotype	IgG
Concentration	2 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Application	IHC-Fr
Reactivity	Reacts
Dilution info	-
Notes	-
Application	ICC/IF
Reactivity	Reacts
Dilution info	1/200 - 1/1000
Notes	-
Application	Flow Cyt
Reactivity	Reacts
Dilution info	1/2000 - 1/4000
Notes	-
Application	IHC-P
Reactivity	Reacts
Dilution info	-
Notes	Use at an assay dependent dilution
Application	ELISA
Reactivity	Reacts
Dilution info	-
Notes	Use at an assay dependent dilution

Properties

Form	Liquid
Storage buffer	Preservative: 0.02% Sodium azide Constituents: PBS, 23% Glycerol (glycerin, glycerine), 1% BSA
Purification technique	Affinity purification Immunogen
Purification notes	The antibody was isolated by affinity chromatography using antigen coupled to agarose beads.

Target data

[See full target information Rabbit IgG](#) 

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, Stable for 12 months at -20°C, Store in the dark

Notes

Fluorochrome chart - a complete quick and easy guide to help you select the most appropriate fluorochromes for your next experiment.

When it comes to advancing your immunohistochemistry (IHC) research, Abcam offers a comprehensive suite of IHC kits and secondary antibodies, designed to deliver precise and reliable results.

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Product promise

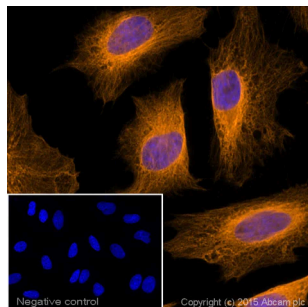
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

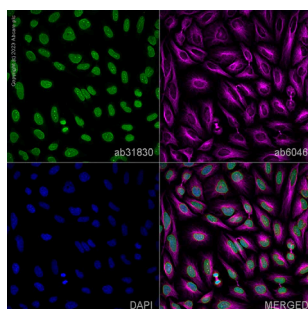
41 product images



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ICC/IF image of [ab6046](#) stained HeLa cells. The cells were 4% formaldehyde fixed (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then incubated in 1%BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h to block non-specific protein-protein interactions. The cells were then incubated with the primary antibody ([ab6046](#), 5µg/ml) overnight at +4°C. The secondary antibody (orange) was ab150080 Alexa Fluor® 4594 goat anti-rabbit IgG (H+L) used at 2µg/ml for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

The negative control (inset) is a secondary-only assay to demonstrate low non-specific binding of the secondary antibody.

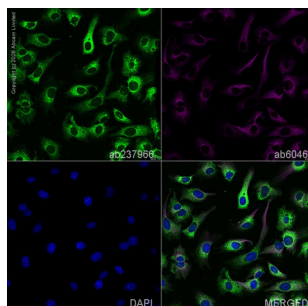


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

[ab31830](#) staining Histone H4 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with [ab31830](#) at 1µg/ml and [ab6046](#), Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with [ab150117](#), Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and ab150080, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 4% paraformaldehyde (10 min).

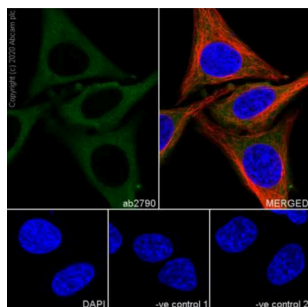
Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

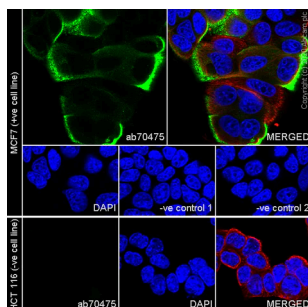
[ab237966](#) staining Cytochrome C in HepG2 cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1 h. The cells were then incubated overnight at 4°C with [ab237966](#) at 5µg/ml and [ab6046](#), Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with [ab150117](#), Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and ab150080, Goat polyclonal Secondary Antibody to Rabbit IgG H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



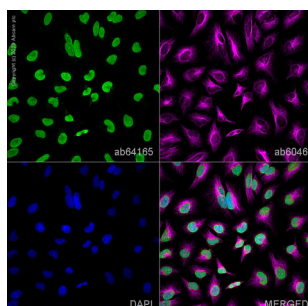
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa cells labelling Hsp27 with [ab2790](#) at 1/100 dilution, followed by AlexaFluor® 488-conjugated Goat anti-Mouse secondary antibody ([ab150113](#)) at 1/1000 dilution at RT for 45 min. [ab179513](#) Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with [ab9509](#) overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (ab150080) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

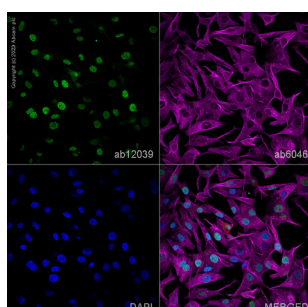
MCF7/ HCT 116 cells were fixed in 4% PFA and permeabilized with 0.1% Triton X-100. Primary antibody, [ab70475](#) at 1:100 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-Mouse secondary antibody ([ab150113](#)) at 1/1000 dilution at RT for 45 min. [ab179513](#) Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with [ab9509](#) overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (ab150080) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI. Confocal image showing membranous and cytoplasmic staining in MCF7 cells. Negative control: HCT 116 (PMID: 14998492)



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

[ab64165](#) staining Histone H2B in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with [ab64165](#) at 1µg/ml and [ab6046](#), Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with [ab150117](#), Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and ab150080, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

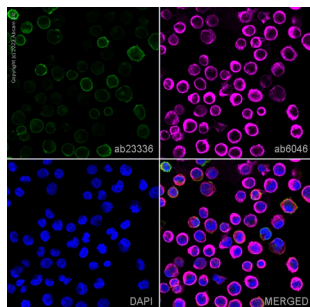
Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

[ab12039](#) staining MiTF in Malme-3M cells. The cells were permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with [ab12039](#) at 5µg/ml and [ab6046](#), Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with [ab150117](#), Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and ab150080, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

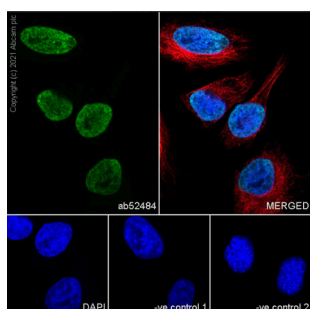
Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

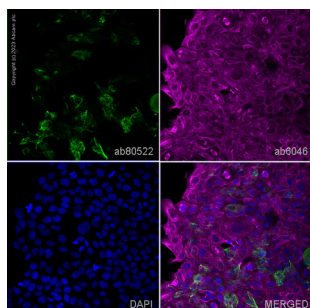
ab23336 staining CD32B + CD32A in K-562 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab23336** at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown..



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

HeLa cells were fixed in 100% methanol and permeabilized with 0.1% Triton X-100. Primary antibody, **ab52484** at 1:2000 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-mouse secondary antibody (**ab150117**) at 1/1000 dilution at RT for 45 min. **ab179513** Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with **ab52484** overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (ab150080) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.

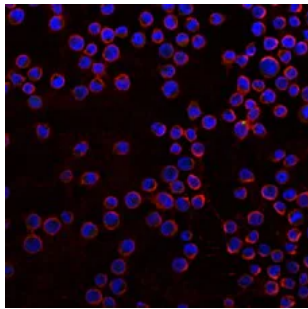


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

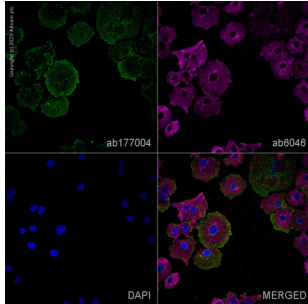
ab80522 staining Cytokeratin 15 in A431 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab80522** at 1µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 100% methanol (5 min).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



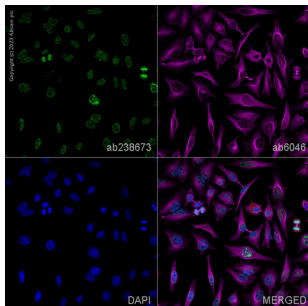
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab177004 staining Integrin alpha V+beta 5 in A549 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab177004** at 1µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

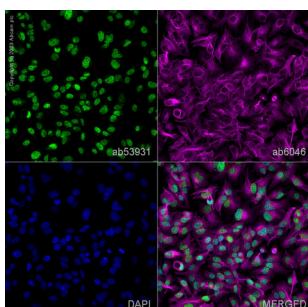


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab238673 staining Histone H3 (phospho S10) in HeLa cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab238673** at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 100% methanol (5 min).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

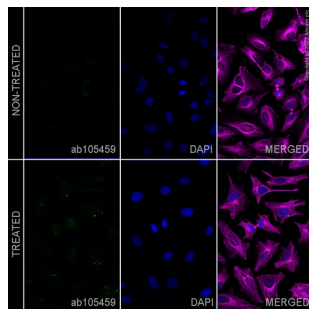


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab53931 staining HOXB13 in HepG2 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab53931** at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat

polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

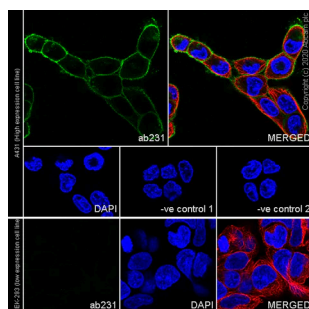
Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab105459 staining WIPI2 in HeLa Chloroquine treated cells. The cells were fixed with 100% methanol 5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab105459** at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L Alexa Fluor® 488) preadsorbed at 1/1000 dilution shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L Alexa Fluor® 594) at 1/1000 dilution shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI shown in blue).

Image was acquired with a high-content analyser Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

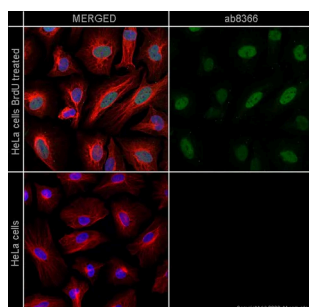
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized A431 cells labelling EGFR with **ab231** at 1/50 dilution followed by secondary antibody **ab150117** Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (green).

ab179513 Anti-beta Tubulin rabbit monoclonal antibody was used as a counterstain at a 1/200 dilution followed by a secondary antibody **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) used at a 1/1000 dilution (red).

Confocal image showing strong membranous and weak cytoplasmic staining in A431 cells.

Low expression control: HEK-293 (PMID: 26368334).

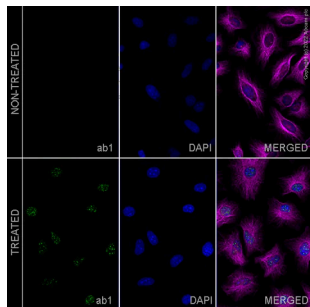
Nuclear DNA was labelled with DAPI (shown in blue).



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab8366 staining HIF-1 alpha in HeLa cells. Untreated and BrdU treated (10µM for 24 hours) cells. The cells were fixed with 4% paraformaldehyde (10 min) permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab8366** at 10µg/ml and **ab6046** Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117** Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080** Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.

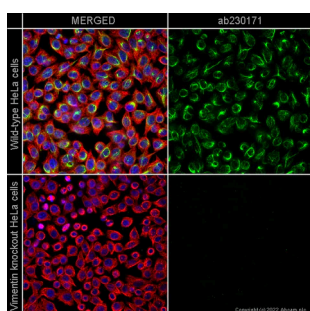


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab1 staining HIF-1 alpha in HeLa DFO cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab1** at 10µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and ab150080, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 4% paraformaldehyde (10 min).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

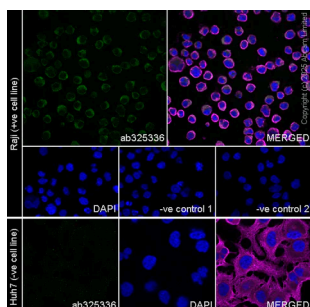


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab230171 staining Vimentin in HeLa-VIM cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab230171** at 1µg/ml and **ab6046**. Cells were then incubated with **ab150121** at 1/1000 dilution (shown in green) and ab150080 at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 100% methanol (5 min).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Raji (human Burkitt's lymphoma B lymphocyte);Huh7 (human hepatocellular carcinoma epithelial cell) cells labelling Hormone sensitive lipase/HSL with **ab325336** at 1/1000 (0.496 µg/ml) dilution , followed by ab150080 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) antibody at 1/500 dilution (Green).

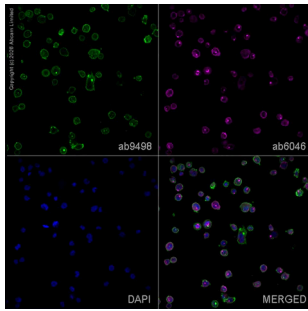
Confocal image showing cytoplasmic staining in Raji cells (shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue).

Negative control: Huh7.

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

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

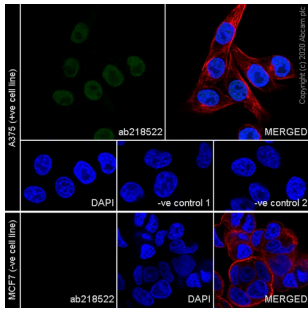
Secondary antibody only control: Secondary antibody is ab150080 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 dilution.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab9498 staining CD31 in THP-1 cells. The cells were fixed with 4% formaldehyde (10min), permeabilized with 0.1%PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at +4°C with **ab9498** at 1µg/ml and ab6046, Rabbit polyclonal to beta Tubulin - Loading Control, at 1/1000 dilution. Cells were then incubated with ab150117, Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (shown in green) and ab150080, Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolor red). Nuclear DNA was labelled with DAPI (shown in blue).

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



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

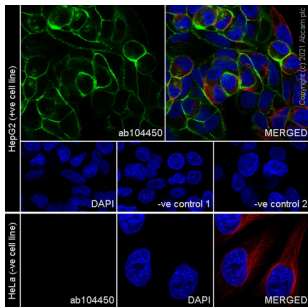
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized A375 (human malignant melanoma epithelial cell) cells labelling SOX10 with **ab218522** at 1/50 dilution followed by secondary antibody **ab150113** Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (green).

ab179513 Anti-beta Tubulin rabbit monoclonal antibody was used as a counterstain at a 1/200 dilution followed by a secondary antibody ab150080 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at a 1/1000 dilution (red).

Confocal image showing nuclear staining in A375 cells.

Negative control: MCF7 (PMID: 23799842).

Nuclear DNA was labelled with DAPI (shown in blue).



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

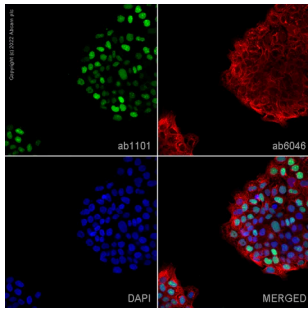
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HepG2 cells labelling CEACAM1 + CEACAM3 + CEACAM6 with **ab104450** at 1/250 dilution followed by secondary antibody **ab150117** Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (green).

ab179513 Anti-beta Tubulin rabbit monoclonal antibody was used as a counterstain at a 1/200 dilution followed by a secondary antibody ab150080 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) used at a 1/1000 dilution (red).

Confocal image showing membranous staining in HepG2 cell line.

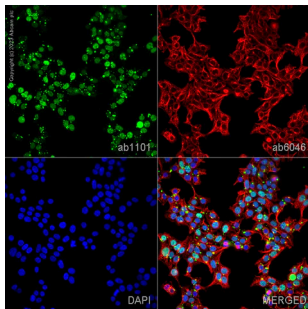
Negative control: HeLa (PMID: 11580753).

Nuclear DNA was labelled with DAPI (shown in blue).



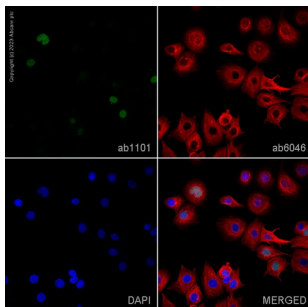
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab1101 staining mutant p53 in A431 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab1101** at 0.2µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue). Also suitable in cells fixed with 100% methanol (5 min). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



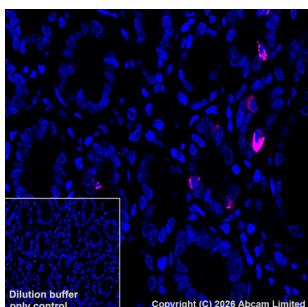
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab1101 staining wild-type p53 in Hek293 cells (a high expressing cell line). The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab1101** at 0.2µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue). Also suitable in cells fixed with 4% paraformaldehyde (10 min). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

ab1101 staining wild-type p53 in MCF7 cells (a low expressing cell line). The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab1101** at 0.2µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue). Also suitable in cells fixed with 4% paraformaldehyde (10 min). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunohistochemical analysis of paraffin-embedded Human duodenum tissue labeling GIP with **ab328032** at 1/500 (0.956 µg/ml) dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1:1000 dilution.

Positive staining in human duodenum. The primary antibody was incubated for 60 mins at room temperature (shown in magenta). Nuclear DNA was labeled with DAPI (shown in blue). The section

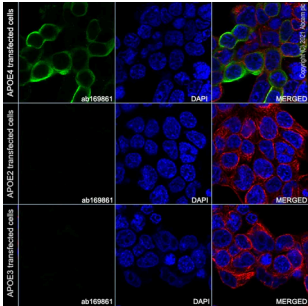
was then mounted using Fluoromount®.

The immunostaining was performed on a Leica Biosystems BOND RX instrument.

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

Counterstained with DAPI.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins

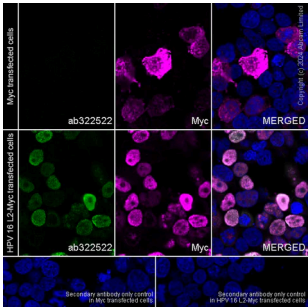


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized transfected 293T (human embryonic kidney epithelial cell) cells labelling Apolipoprotein E4 with [ab169861](#) at 1/50 dilution, followed by [ab150117](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution(Green).

Confocal image showing cytoplasmic staining in HEK-293T cells transfected with a human APOE4(C112R) expression vector containing a myc tag. (shown in green). The counterstain was observed in red. Nuclear DNA was labelled with DAPI (shown in blue).

[ab179513](#) Anti-beta Tubulin rabbit monoclonal antibody was used to counter stain tubulin at a 1/200 dilution followed by [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at a 1/500 dilution (Red).

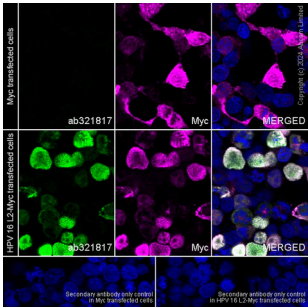


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized 293T (human embryonic kidney epithelial cell) cells labelling Human papillomavirus L2 protein with [ab322522](#) at 1/100 (10.45 ug/ml) dilution, followed by [ab150117](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2 ug/ml) dilution (Green).

Confocal image showing nuclear staining in 293T cells transfected with a Human papillomavirus type 16 L2 protein expression vector containing a myc-His-tag®(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).

[ab9106](#) Anti-Myc Rabbit polyclonal antibody was used to counterstain tubulin at 1/200 (2.5ug/ml) dilution, followed by [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 (4µg/ml) dilution (Magenta).



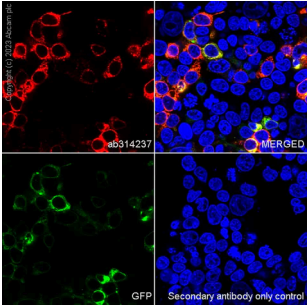
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized 293T (human embryonic kidney epithelial cell) cells labelling Human papillomavirus L2 protein with [ab321817](#) at 1/2000 (0.51 ug/ml) dilution, followed by [ab150117](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2 ug/ml) dilution (Green).

Confocal image showing nuclear and cytoplasmic staining in 293T cells transfected with a Human papillomavirus type 16 L2 protein expression vector containing a myc-His-tag®(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).

[ab9106](#) Anti-Myc Rabbit polyclonal antibody was used to counterstain tubulin at 1/200 (2.5 ug/ml) dilution, followed by [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 (4 ug/ml) dilution (Magenta).



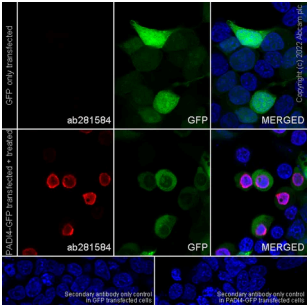
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HEK-293T (human epithelial cell line from embryonic kidney) transfected with GFP-tagged human HA Tag expression vector cells labelling HA tag with [ab314237](#) at 1/500 (1.042 ug/ml) dilution, followed by [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) antibody at 1/1000 (2 ug/ml) dilution (Green).

Confocal image showing cytoplasmic staining in 293T cells transfected with a human HA Tag expression vector containing a GFP tag.
Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8).

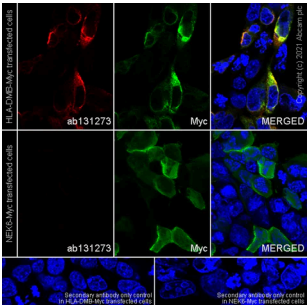
The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/1000 (2 ug/mL) dilution.



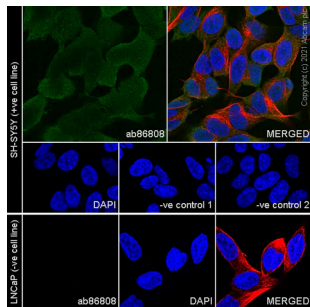
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 100% methanol permeabilized 293T (human embryonic kidney epithelial cell) cells labelling Histone H3 (citulline R2 + R8 + R17) with primary antibody anti-Histone H3 (citulline R2 + R8 + R17) ([ab281584](#)) at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) ([ab150080](#)) secondary antibody at 1/1000 dilution. Confocal image showing nuclear staining on 293T cells transfected with a human PADI4 expression vector containing a GFP tag, then treated with 10 mM CaCl₂ and 10 µM ionomycin for 2 hours. The nuclear counter stain is DAPI (blue).



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

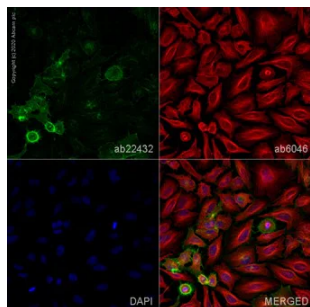
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized 293T (human epithelial cell line from embryonic kidney transformed with large T antigen) cells labelling HLA DMB with primary antibody anti-HLA DMB ([ab131273](#)) at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) ([ab150080](#)) secondary antibody at 1/500 dilution. Confocal image showing cytoplasmic staining in 293T cells transfected with myc-tagged HLA-DMB expression vector, no staining in 293T cells transfected with myc-tagged NEK6 expression vector. Anti-Myc tag mouse monoclonal antibody (Alexa Fluor® 488) ([ab202008](#)) was used as counterstain at 1/100 dilution. The nuclear counter stain is DAPI (blue).



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

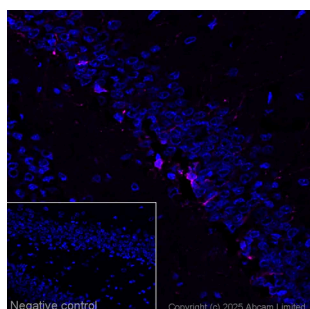
Immunofluorescent analysis of 4% Paraformaldehyde fixed, 0.1% Triton X-100 permeabilized SH-SY5Y cells with [ab86808](#) at 1/50 dilution followed by [ab150113](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). [ab179513](#) Anti-beta Tubulin rabbit monoclonal antibody was used for counterstain at a 1/200 dilution followed by [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 dilution (Red). Nuclear DNA was labelled with DAPI (shown in blue) Confocal image showing cytoplasmic and weak nuclear staining in SH-SY5Y cells and no staining in LNCaP cells.

Negative control: LNCaP(PMID: 17929277)



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% PBS-Tween permeabilized HeLa (human cervical adenocarcinoma epithelial cell) cells labelling HLA Class I with [ab22432](#) at 1µg/mL, blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with [ab92494](#) at 1µg/mL and [ab6046](#), Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with [ab150117](#), Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and [ab150080](#), Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



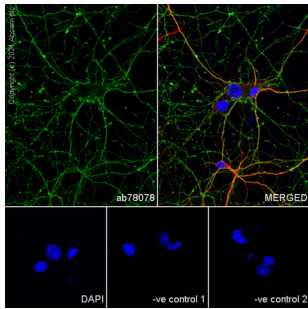
Immunohistochemistry (Frozen sections) - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescence staining of Doublecortin in a section of frozen PFA perfusion fixed 6 week old rat dentate gyrus.

After dissection, the tissue was further fixed in PFA overnight, washed in PBS and then incubated overnight in 30% sucrose. It was then embedded in OCT and cryosectioned. No antigen retrieval step was performed prior to staining. Performed on a Leica BOND™. The section was incubated at room temperature for 1 hour with [ab18723](#) at 1ug/mL and then incubated with [ab150080](#) (Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) preabsorbed, (Shown in magenta) 1/1000) for 1 hour at room temperature. Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Dako Fluorescence Mounting Medium®.

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.

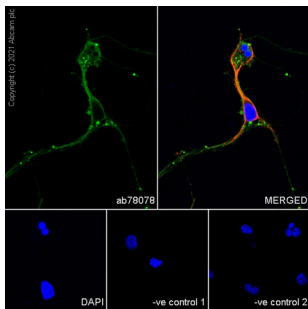


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized rat primary neural/glia cells labelling beta III Tubulin with [ab78078](#) at 1/200 dilution followed by a secondary antibody [ab150113](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green).

Confocal image showing positive staining in rat primary neuron. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). The counterstain was observed in red. Nuclear DNA was labelled with DAPI (shown in blue).

[ab183830](#) Anti-MAP2 rabbit monoclonal antibody was used to counterstain MAP2 at 1/1000 dilution followed by a secondary antibody [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 dilution (Red). The Nuclear counterstain was DAPI (Blue).

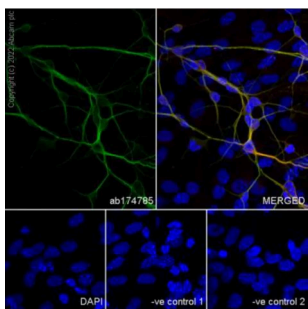


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse primary neural/glia cells labelling beta III Tubulin with [ab78078](#) at 1/200 dilution followed by a secondary antibody [ab150113](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green).

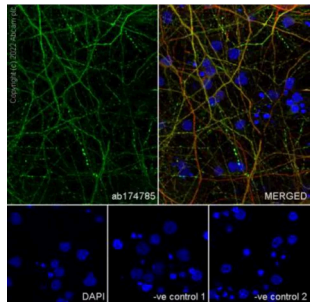
Confocal image showing positive staining in mouse primary neuron. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). The counterstain was observed in red. Nuclear DNA was labelled with DAPI (shown in blue).

[ab183830](#) Anti-MAP2 rabbit monoclonal antibody was used to counterstain MAP2 at 1/1000 dilution followed by a secondary antibody [ab150080](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 dilution (Red). The Nuclear counterstain was DAPI (Blue).



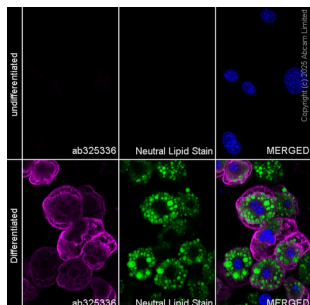
Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse primary neuron cells labelling Glutamate Receptor 1 (AMPA subtype) with [ab174785](#) at 1/200 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed ([ab150117](#)) at 1/1000 dilution at RT for 45 min. Anti-MAP2 antibody [EPR19691] ([ab183830](#)) was used as a counterstain at 1/1000 dilution and was co-incubated with [ab174785](#) overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary ([ab150080](#)) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Rat primary neuron cells labelling Glutamate Receptor 1 (AMPA subtype) with [ab174785](#) at 1/200 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed ([ab150117](#)) at 1/1000 dilution at RT for 45 min. Anti-MAP2 antibody [EPR19691] ([ab183830](#)) was used as a counterstain at 1/1000 dilution and was co-incubated with [ab174785](#) overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (ab150080) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized undifferentiated 3T3-L1 (mouse embryonic fibroblast);differentiated 3T3-L1 cells labelling Hormone sensitive lipase/HSL with [ab325336](#) at 1/1000 (0.496 µg/ml) dilution, followed by ab150080 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) antibody at 1/500 dilution (Green).

Confocal image showing no staining in undifferentiated 3T3-L1 cells, showing cytoplasmic staining in differentiated 3T3-L1 cells(shown in magenta). The counterstain was observed in green. Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Lipid Droplets Green Fluorescence Assay Kit with BODIPY493/503 was used to counterstain tubulin at 1/200 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150080 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at 1/500 dilution.

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