abcam

ab184350

Anti-MAP1A antibody [EPR18994]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR18994
Purification technique	Affinity purification Protein A
Concentration	0.71 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat

Dilution info	1/1000
Notes	-

ICC/IF

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/150
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Expected

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

Target data

See full target information Map1a

Function	Structural protein involved in the filamentous cross-bridging between microtubules and other skeletal elements.

Storage

Shipped at conditions	Conditional Ambient
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

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.

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

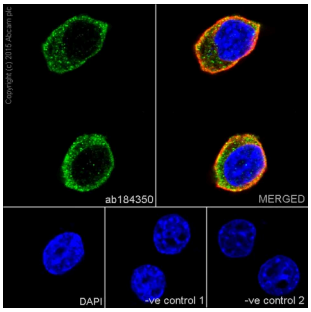
We do not recommend this combination. It is not covered by our product promise.

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.

6 product images

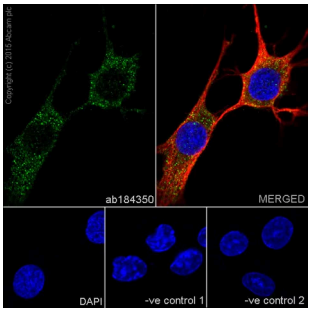


Immunocytochemistry/ Immunofluorescence - Anti-MAP1A antibody [EPR18994] (ab184350)

MAP1A Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-MAP1A antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Neuro-2a (Mouse neuroblastoma cell line) cells labeling MAP1A with ab184350 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on Neuro-2a cell line. The nuclear counter stain is DAPI (blue).
Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Loading Control (ab7291) at 1/1000 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (ab150120) at 1/1000 dilution (red).

The negative controls are as follows:
-ve control 1: ab184350 at 1/1000 dilution followed by ab150120 at 1/1000 dilution.
-ve control 2: ab7291 at 1/1000 dilution followed by ab150077 at 1/1000 dilution.

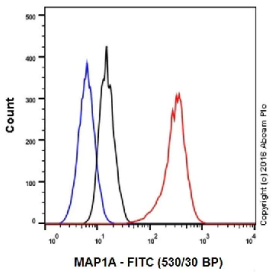


Immunocytochemistry/ Immunofluorescence - Anti-MAP1A antibody [EPR18994] (ab184350)

MAP1A Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-MAP1A antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized C6 (Rat glial tumor cell line) cells labeling MAP1A with ab184350 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on C6 cell line. The nuclear counter stain is DAPI (blue).
Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Loading Control (ab7291) at 1/1000 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (ab150120) at 1/1000 dilution (red).

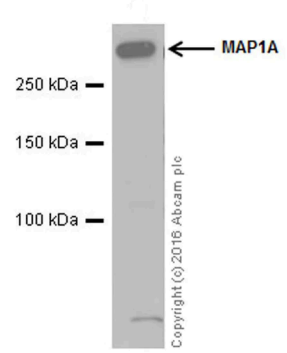
The negative controls are as follows:
-ve control 1: ab184350 at 1/1000 dilution followed by ab150120 at 1/1000 dilution.
-ve control 2: ab7291 at 1/1000 dilution followed by ab150077 at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-MAP1A antibody [EPR18994] (ab184350)

MAP1A Flow Cytometry (Intracellular) staining using rabbit Anti-MAP1A antibody

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed Neuro-2a (Mouse neuroblastoma cell line) cells labeling MAP1A with ab184350 at 1/150 dilution (red) compared with a Rabbit IgG,monoclonal [EPR25A]- Isotype control (ab172730) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti Rabbit IgG (FITC)at 1/150 dilution was used as the secondary antibody.



Western blot - Anti-MAP1A antibody [EPR18994] (ab184350)

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-MAP1A antibody [EPR18994] (ab184350) at 1/2000 dilution

All lanes:
C6 (Rat glial tumor cell line) whole cell lysate at 20 µg

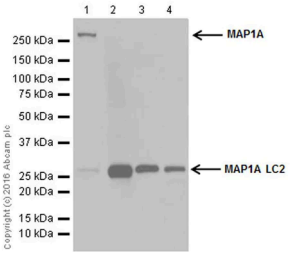
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Predicted band size: 305 kDa

Observed band size: 300 kDa

Exposure time: 3min



Western blot - Anti-MAP1A antibody [EPR18994] (ab184350)

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-MAP1A antibody [EPR18994] (ab184350) at 1/5000 dilution

Lane 1:
Mouse embryo lysate at 20 µg

Lane 2:
Mouse brain lysate at 20 µg

Lane 3:
Rat brain lysate at 20 µg

Lane 4:
Mouse spinal cord lysate at 20 µg

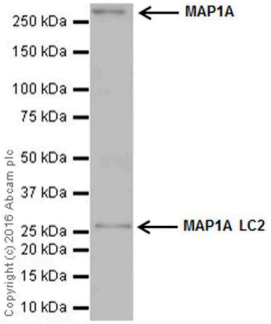
Secondary

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

Predicted band size: 305 kDa

Observed band size: 26 kDa, 300 kDa

Exposure time: 15s



Western blot - Anti-MAP1A antibody [EPR18994] (ab184350)

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-MAP1A antibody [EPR18994] (ab184350) at 1/1000 dilution

All lanes:
Neuro-2a (Mouse neuroblastoma cell line) whole cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Predicted band size: 305 kDa

Observed band size: 26 kDa, 300 kDa

Exposure time: 30s

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