

Anti-MAP2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

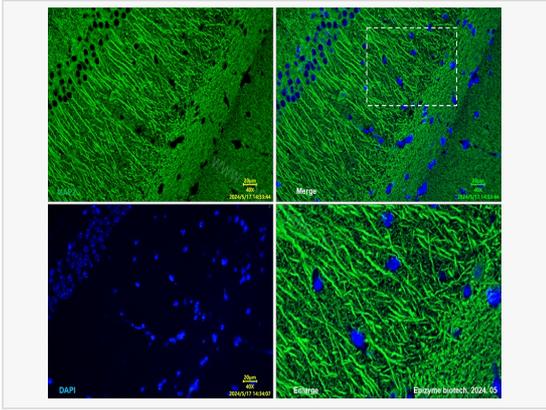
Catalog # R013804

Product Information

Application	IF (Cell)/ICC, ELISA, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse
Dilution	IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	48F57L35
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of mouse MAP2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MAP2 Rabbit mAb [48F57L35] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MAP-2, Mtap-2, repro4, G1-397-34, Microtubule-associated protein 2, DKFZp686I2148, Dendrite specific MAP, MAP2A, MAP2B, MAP2C.
Uniprot ID	P20357
Gene ID	17756
Background	The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.



Immunofluorescence - Anti-MAP2 Rabbit mAb [48F57L35]

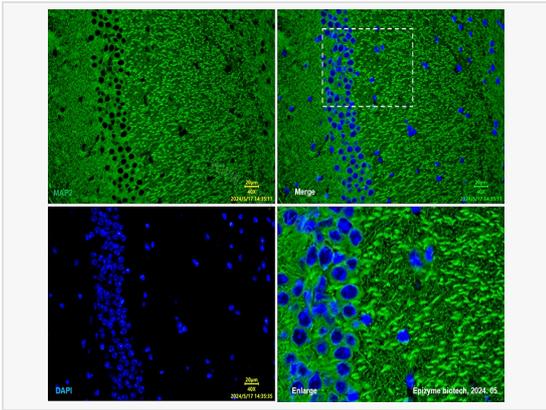
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue (section of corpus callosum)

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013803 at 1:100 dilution

Secondary antibody: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).



Immunofluorescence - Anti-MAP2 Rabbit mAb [48F57L35]

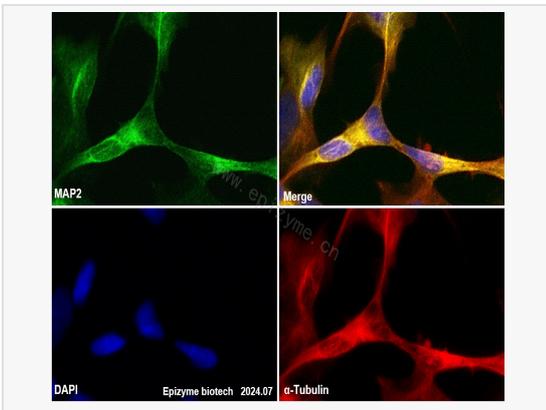
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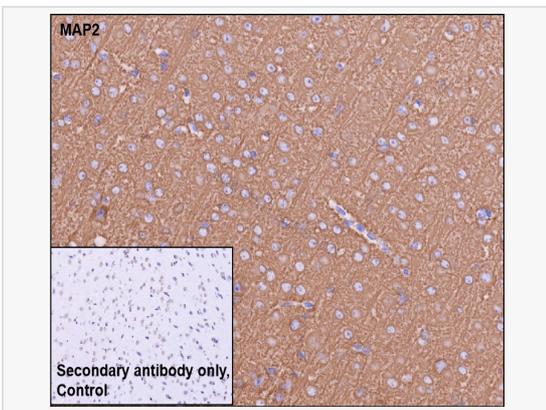
Sample: SY5Y cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013804 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - MAP2 Rabbit mAb [48F57L35]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse cerebral cortex tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013804 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.