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MAP1B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54348

Specification

MAP1B Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	P46821
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**270634**

MAP1B Polyclonal Antibody - Additional Information

Gene ID 4131

Other Names
Microtubule-associated protein 1B, MAP-1B, MAP1B heavy chain, MAP1 light chain LC1, MAP1B

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

MAP1B Polyclonal Antibody - Protein Information

Name MAP1B

Function
Facilitates tyrosination of alpha-tubulin in neuronal microtubules (By similarity). Phosphorylated MAP1B is required for proper microtubule dynamics and plays a role in the cytoskeletal changes that accompany neuronal differentiation and neurite extension (PubMed:33268592). Possibly MAP1B binds to at least two tubulin subunits in the polymer, and this bridging of subunits might be involved in nucleating microtubule polymerization and in stabilizing microtubules. Acts as a positive cofactor in DAPK1-mediated autophagic vesicle formation and membrane blebbing.

Cellular Location
Cytoplasm, cytoskeleton. Cytoplasm Synapse. Cell projection, dendritic spine Note=Colocalizes

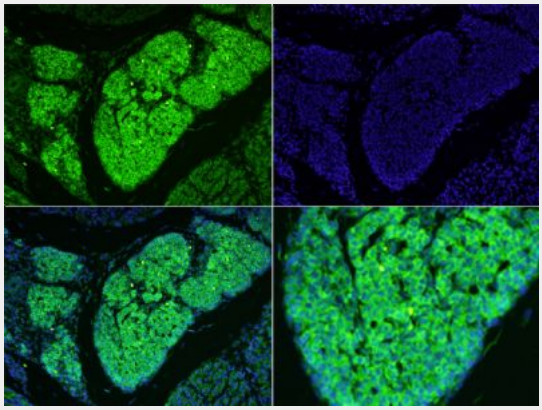
with DAPK1 in the microtubules and cortical actin fibers.

MAP1B Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAP1B Polyclonal Antibody - Images



Tissue/cell: mouse embryo tissue;4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-MAP1B Polyclonal Antibody, FITC conjugated(bs-11028R-FITC) 1:200, 60 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei