

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

MAP1B Polyclonal Antibody - Product Information

Application	IF
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

Format

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

Storage

Store at -20 °C 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 °C.

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

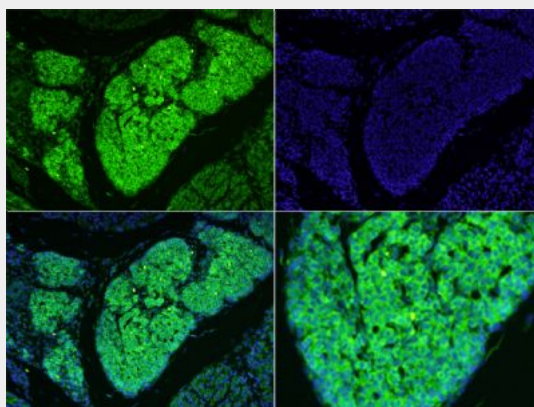
Cytoplasm, cytoskeleton. Cytoplasm Synapse. Cell projection, dendritic spine Note=Colocalizes with DAPK1 in the microtubules and cortical actin fibers.

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 Cytometry](#)
- [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°C 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