

# MAP1B Rabbit pAb

Catalog No.: A3305 **1 Publications**

## Basic Information

### Observed MW

350kDa

### Calculated MW

271kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The product of this gene is a precursor polypeptide that presumably undergoes proteolytic processing to generate the final MAP1B heavy chain and LC1 light chain. Gene knockout studies of the mouse microtubule-associated protein 1B gene suggested an important role in development and function of the nervous system.

## Recommended Dilutions

<b>WB</b>	1:200 - 1:2000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

4131

### Swiss Prot

P46821

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1820-2100 of human MAP1B (NP\_005900.2).

### Synonyms

MAP5; PVNH9; DFNA83; FUTSCH; PPP1R102; MAP1B

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

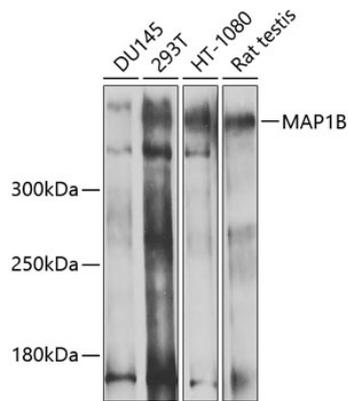
Affinity purification

### Storage

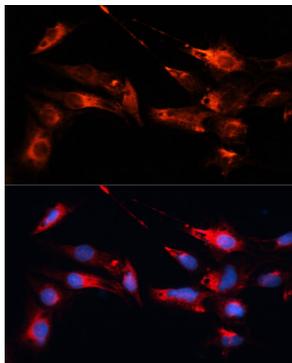
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

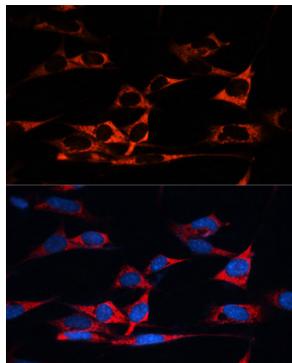
## Validation Data



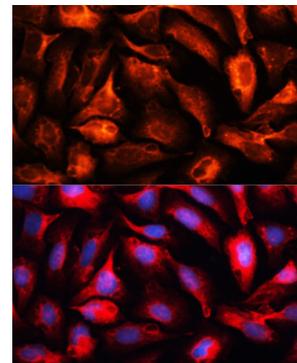
Western blot analysis of extracts of various cell lines, using MAP1B antibody (A3305) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunofluorescence analysis of C6 cells using MAP1B antibody (A3305) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using MAP1B antibody (A3305) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using MAP1B antibody (A3305) at dilution of 1:100. Blue: DAPI for nuclear staining.