

## MAP1S Rabbit pAb

CatalogNo: YN6145

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 116kD (Calculated)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human MAP1S

**Specificity** This antibody detects endogenous levels of MAP1S at Human, Mouse, Rat

### Target Information

**Gene name** MAP1S BPY2IP1 C19orf5 MAP8 VCY2IP1

**Protein Name** Microtubule-associated protein 1S (MAP-1S) (BPY2-interacting protein 1) (Microtubule-associated protein 8) (Variable charge Y chromosome 2-interacting protein 1) (VCY2-interacting protein 1) (VCY2IP-1) [Cleaved into: MAP1S heavy chain; MAP1S light chain]

Organism	Gene ID	UniProt ID
Human	<a href="#">55201</a> ;	<a href="#">Q66K74</a> ;
Mouse	<a href="#">270058</a> ;	<a href="#">Q8C052</a> ;
Rat	<a href="#">290640</a> ;	<a href="#">P0C5W1</a> ;

**Cellular Localization** Nucleus. Cytoplasm, cytosol. Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, spindle . Detected in filopodia-like protrusions and synapses (By similarity). Detected in perinuclear punctate network corresponding to mitochondrial aggregates and in the nucleus in cells exhibiting apoptosis. Associated specifically with microtubules stabilized by paclitaxel and colocalizes with RASSF1 isoform A. In interphase cells, shows a diffuse cytoplasmic staining with partial localization to the microtubules. During the different stages of mitosis detected at the spindle microtubules. .

**Tissue specificity** Expressed in neurons (at protein level). Expressed in spermatocytes, spermatids and spermatozoa. Expressed in the cerebral cortex. Highly expressed in testis. Moderately expressed in the brain, colon, heart, kidney, liver, lung, placenta, small intestine, spleen and stomach. Weakly expressed in muscle.

**Function** Microtubule-associated protein that mediates aggregation of mitochondria resulting in cell death and genomic destruction (MAGD). Plays a role in anchoring the microtubule organizing center to the centrosomes. Binds to DNA. Plays a role in apoptosis. Involved in the formation of microtubule bundles (By similarity).

## | Validation Data

## | Contact information

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**MAP1S Rabbit pAb**

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