

MAP1S Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5769c**Specification**

MAP1S Antibody (Center) - Product Information

Application	FC, WB, IHC-P,E
Primary Accession	Q66K74
Other Accession	NP_060644.4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	112211
Antigen Region	493-520

MAP1S Antibody (Center) - Additional Information**Gene ID** 55201**Other Names**

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, MAP1S heavy chain, MAP1S light chain, MAP1S, BPY2IP1, C19orf5, MAP8, VCY2IP1

Target/Specificity

This MAP1S antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 493-520 amino acids from the Central region of human MAP1S.

Dilution

FC~~1:10~50

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MAP1S Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MAP1S Antibody (Center) - Protein Information

Name MAP1S**Synonyms** BPY2IP1, C19orf5, MAP8, VCY2IP1

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).

Cellular Location

Nucleus. Cytoplasm, cytosol. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle.

Note=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.

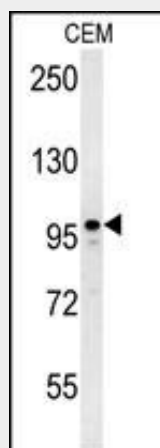
Tissue Location

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.

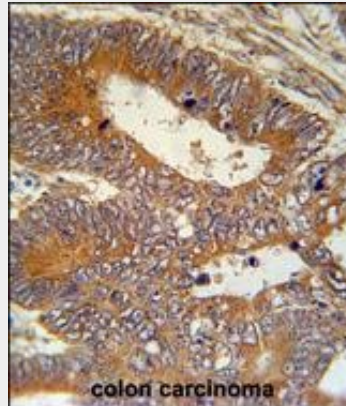
MAP1S Antibody (Center) - Protocols

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

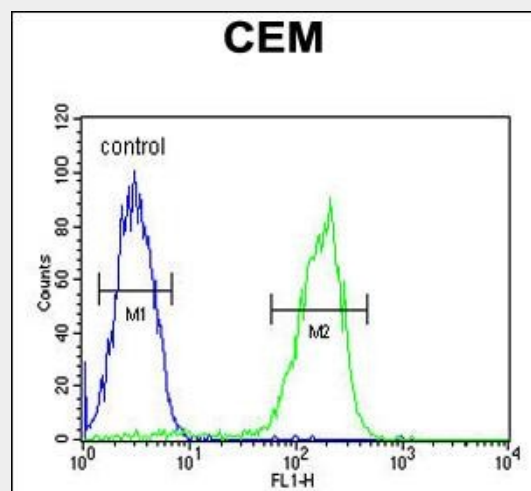
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAP1S Antibody (Center) - Images

MAP1S Antibody (Center) (Cat. #AP5769c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MAP1S antibody detected the MAP1S protein (arrow).



MAP1S Antibody (Center) (Cat. #AP5769c) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MAP1S Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



MAP1S Antibody (Center) (Cat. #AP5769c) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MAP1S Antibody (Center) - Background

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).

MAP1S Antibody (Center) - References

- Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
- Wong, E.Y., et al. Biol. Reprod. 70(3):775-784(2004)
- Liu, L., et al. In Vitro Cell. Dev. Biol. Anim. 38(10):582-594(2002)
- Liu, L., et al. Genomics 79(1):124-136(2002)

MAP1S Antibody (Center) - Citations

- [Microtubule-associated protein 1S-related autophagy inhibits apoptosis of intestinal epithelial cells via Wnt/ \$\beta\$ -catenin signaling in Crohn's disease.](#)