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MAP1S Rabbit pAb

Catalog # AP97641

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q66K74
Other Accession	Q66K74
Reactivity	Mouse
Predicted	Rat, Human, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112211
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MAP1S
Epitope Specificity	21-120/1059
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the MAP1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	55201
Other Names	BPY2IP1; C19orf5; MAP8; VCY2IP-1; VCY2IP1; MAP1S_HUMAN; MAP1S; MAP-1S; BPY2-interacting protein 1; Microtubule-associated protein 8; Variable charge Y chromosome 2-interacting protein 1 (VCY2-interacting protein 1 | VCY2IP-1); microtubule associated protein 1S; chromosome 19 open reading frame 5; VCY2 interacting protein 1; BPY2 interacting protein 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.