

CRMP1 Rabbit mAb

Catalog # AP79014

Product Information

Application	WB, IHC-P, IF, FC, ICC, IP
Primary Accession	Q14194
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human CRMP1
Purification	Affinity Chromatography
Calculated MW	62184

Additional Information

Gene ID	1400
Other Names	CRMP1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

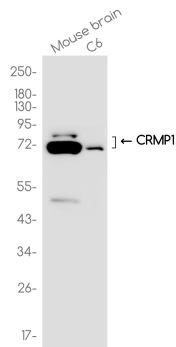
Name	CRMP1
Synonyms	DPYSL1, ULIP3
Function	Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton (PubMed: 25358863). Plays a role in axon guidance (PubMed: 25358863). During the axon guidance process, acts downstream of SEMA3A to promote FLNA dissociation from F-actin which results in the rearrangement of the actin cytoskeleton and the collapse of the growth cone (PubMed: 25358863). Involved in invasive growth and cell migration (PubMed: 11562390). May participate in cytokinesis (PubMed: 19799413).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Cell projection, growth cone {ECO:0000250 UniProtKB:P97427}. Cytoplasm, cytoskeleton

{ECO:0000250|UniProtKB:P97427}. Perikaryon
{ECO:0000250|UniProtKB:P97427}. Note=Associated with centrosomes and the mitotic spindle during metaphase (PubMed:11562390). Colocalizes with FLNA and tubulin in the central region of DRG neuron growth cone (By similarity). Following SEMA3A stimulation of DRG neurons, colocalizes with F-actin (By similarity) {ECO:0000250|UniProtKB:P97427, ECO:0000269|PubMed:11562390}

Tissue Location

Brain.

Images



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