

CRMP1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12705**Specification**

CRMP1 Antibody (N-Terminus) - Product Information

Application	IF, WB, IHC
Primary Accession	Q14194
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62kDa KDa

CRMP1 Antibody (N-Terminus) - Additional Information**Gene ID** 1400**Other Names**

Dihydropyrimidinase-related protein 1, DRP-1, Collapsin response mediator protein 1, CRMP-1, Unc-33-like phosphoprotein 3, ULIP-3, CRMP1, DPYSL1, ULIP3

Target/Specificity

This antibody is expected to recognize only the longest isoform of CRMP-1.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

CRMP1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CRMP1 Antibody (N-Terminus) - Protein Information**Name** CRMP1**Synonyms** DPYSL1, ULIP3**Function**

Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton (PubMed: [25358863](http://www.uniprot.org/citations/25358863)). Plays a role in axon guidance (PubMed: [25358863](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/25358863)). Involved in invasive growth and cell migration (PubMed: [11562390](http://www.uniprot.org/citations/11562390)). May participate in cytokinesis (PubMed: [19799413](http://www.uniprot.org/citations/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}

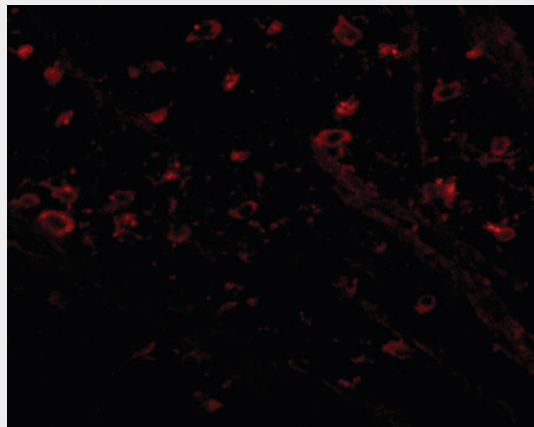
Tissue Location

Brain.

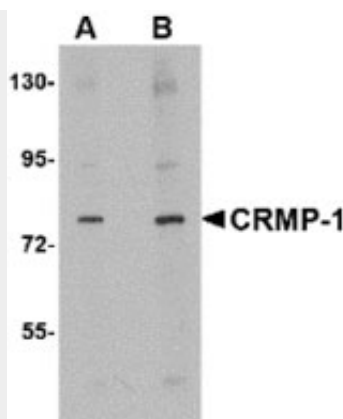
CRMP1 Antibody (N-Terminus) - Protocols

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

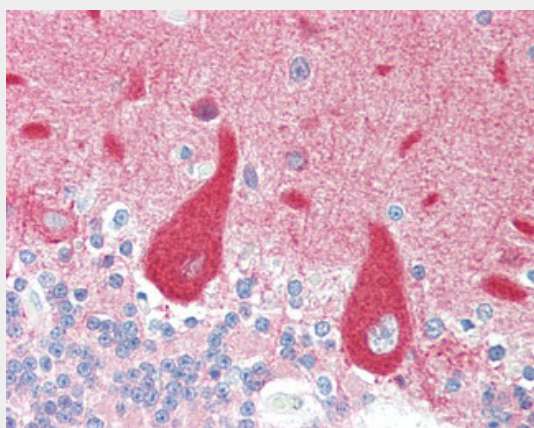
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CRMP1 Antibody (N-Terminus) - Images

Immunofluorescence of CRMP1 in mouse brain tissue with CRMP1 antibody at 5 ug/ml.



Western blot of CRMP1 in rat brain tissue lysate with CRMP1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-CRMP1 antibody IHC of human brain, cerebellum.

CRMP1 Antibody (N-Terminus) - Background

Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. May participate in cytokinesis.

CRMP1 Antibody (N-Terminus) - References

- Hamajima N.,et al.Gene 180:157-163(1996).
- Pan S.-H.,et al.Lung Cancer 67:93-100(2010).
- Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
- Hillier L.W.,et al.Nature 434:724-731(2005).
- Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.