

Rabbit CRMP1 Polyclonal Antibody | anti-CRMP1 antibody

CRMP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39887	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

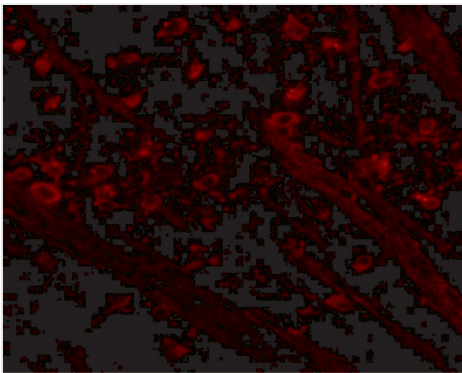
PRODUCT SYNONYMS

CRMP1; Polyclonal Antibody; CRMP1 Antibody; DRP1; DRP-1; CRMP-1; DPYSL1; ULIP-3; ULIP3; Dihydropyrimidinase-related protein 1; Collapsin response mediator protein 1; collapsin response mediator protein 1; anti-CRMP1 antibody

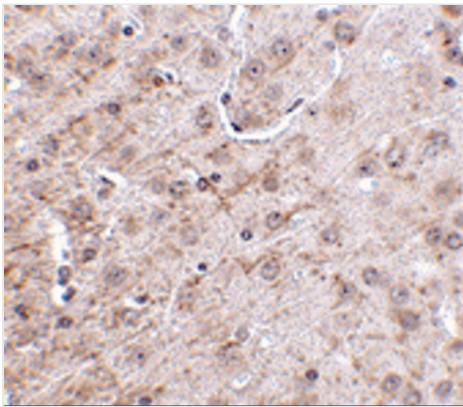
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is expected to recognize only the longest isoform of CRMP-1.
Purity/Purification	CRMP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	572
Applicable Applications for anti-CRMP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CRMP1 antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human CRMP1.
Buffer	CRMP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CRMP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

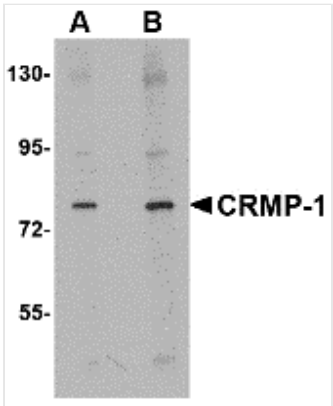
IMAGES



IF (Immunofluorescence)
Immunofluorescence of CRMP1 in mouse brain tissue with CRMP1 antibody at 5 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of CRMP-1 in mouse brain tissue with CRMP-1 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of CRMP1 in rat brain tissue lysate with CRMP1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CRMP1 antibody	CRMP1 Antibody: Collapsin-response mediator proteins (CRMPs) are highly expressed in the developing brain where they play major roles in axonal outgrowth, neurite differentiation, and apoptosis. Their continued expression in areas of high synaptic remodeling such as the cerebellum, hippocampus, and the olfactory system suggests that these proteins may also be involved in adult brain plasticity. CRMP-1 was initially identified as a dihydro-pyrimidinase expressed exclusively in brain; later studies have shown that it is involved with neurotrophin (NT) 3-induced neurite formation and outgrowth. CRMP-1 localization switches from axonal to somatodendritic when neurons reach functional maturity, suggesting that it is involved in early neuronal differentiation as well as in later processes related to the survival or death of the newly generated neurons.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14043246
NCBI GeneID	1400
UniProt Accession #	Q14194; Q13024; Q4W5F1; Q96TC8; A0EJG6
Molecular Weight	74,262 Da
NCBI Official Full Name	Collapsin response mediator protein 1
NCBI Official Synonym Full Names	collapsin response mediator protein 1
NCBI Official Symbol	CRMP1

NCBI Official Synonym Symbols	DRP1; DRP-1; CRMP-1; DPYSL1; ULIP-3
NCBI Protein Information	dihydropyrimidinase-related protein 1; dihydropyrimidinase-like 1; unc-33-like phosphoprotein 3
UniProt Protein Name	Dihydropyrimidinase-related protein 1
UniProt Gene Name	CRMP1
UniProt Synonym Gene Names	DPYSL1; ULIP3; DRP-1; CRMP-1; ULIP-3
UniProt Entry Name	DPYL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/crmp1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39887>