

Product datasheet for **TA306259**

CRMP1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CRMP1 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human CRMP1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	collapsin response mediator protein 1
Database Link:	AAH07613 Entrez Gene 1400 Human Q14194



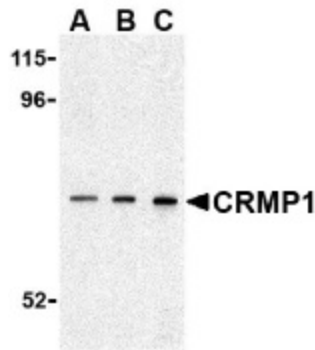
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Background:

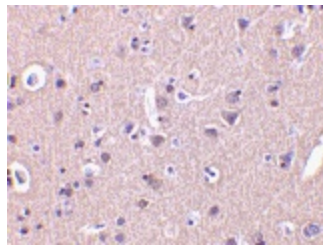
Collapsin-response mediator proteins (CRMPs) are highly expressed in the developing brain where they play major roles in axonal outgrowth, neurite differentiation, and apoptosis (1). Their continued expression in areas of high synaptic remodeling such as the cerebellum, hippocampus, and the olfactory system suggests that these proteins may also be involved in adult brain plasticity (2). CRMP-1 was initially identified as a dihydro-pyrimidinase expressed exclusively in brain (3); later studies have shown that it is involved with neurotrophin (NT) 3-induced neurite formation and outgrowth (4). 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 (5).

Synonyms:

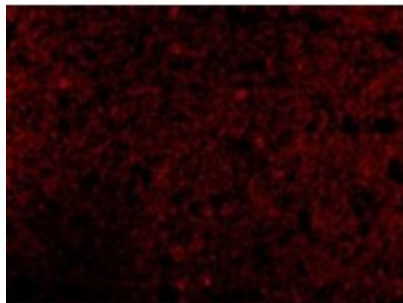
CRMP-1; DPYSL1; DRP-1; DRP1; ULIP-3

Product images:


Western blot analysis of CRMP1 in 3T3 cell lysate with CRMP1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/ml.



Immunohistochemistry of CRMP in human brain tissue with CRMP antibody at 2 ug/ml.



Immunofluorescence of CRMP1 in Human Brain cells with CRMP1 antibody at 10 ug/mL.