



Rabbit Anti-CRMP1 antibody

SL6652R

Product Name:	CRMP1
Chinese Name:	二氢嘧啶酶相关蛋白1抗体
Alias:	Collapsin response mediator protein 1; CRMP 1; CRMP-1; Crmp1; Dihydropyrimidinase like 1; Dihydropyrimidinase related protein 1; Dihydropyrimidinase-related protein 1; DPYL1_HUMAN; DPYSL1; DRP 1; DRP-1; DRP1; ULIP-3; Ulip3; Unc-33-like phosphoprotein 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	62kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CRMP1:121-220/572
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Jul 2008].

Function:

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

Subunit:

Homotetramer, and heterotetramer with DPYSL2, DPYSL3, DPYSL4 or DPYSL5. Interacts with PLXNA1 (By similarity).

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Associated with centrosomes and the mitotic spindle during metaphase.

Tissue Specificity:

Brain.

Similarity:

Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily.

SWISS:

Q14194

Gene ID:

1400

Database links:

[Entrez Gene: 1400](#)Human

[Entrez Gene: 12933](#)Mouse

[Entrez Gene: 25415](#)Rat

[Omim: 602462](#)Human

[SwissProt: Q14194](#)Human

[SwissProt: P97427](#)Mouse

[SwissProt: Q62950](#)Rat

[Unigene: 135270](#)Human

[Unigene: 290995](#)Mouse

[Unigene: 11379](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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