



CRMP-1 (Phospho-Tyr504) rabbit pAb

Catalog No	YP-Ab-10527
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	CRMP1 DPYSL1 ULIP3
Immunogen	Synthesized peptide derived from human CRMP-1 (Phospho-Tyr504)
Specificity	This antibody detects endogenous levels of CRMP-1 (Phospho-Tyr504) at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.183% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DRP1; DRP 1; DPYSL1; Dihydropyrimidinase-related protein 1; CRMP-1; CRMP1 DPYSL1 ULIP3; CRMP-1 (Phospho-Tyr504); Dihydropyrimidinase-related protein 1 (DRP-1) (Collapsin response mediator protein 1) (CRMP-1) (Unc-33-like phosphoprotein 3) (ULIP-3)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Cell projection, growth cone . Cytoplasm, cytoskeleton . Perikaryon . 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). .
Tissue Specificity	Brain.
Function	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., similarity: Belongs to the DHOase family. Hydantoinase/



dihydropyrimidinase subfamily.,subcellular location:Associated with centrosomes and the mitotic spindle during metaphase.,subunit:Homotetramer, and heterotetramer with DPYSL2, DPYSL3, DPYSL4 or DPYSL5. Interacts with PLXNA1.,tissue specificity:Brain.,

Background

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],

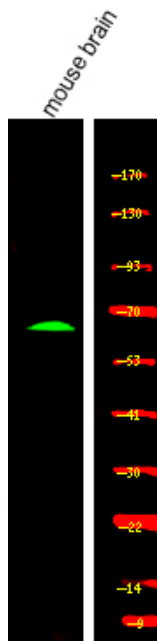
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000