

CRMP-2 (phospho Ser522) Polyclonal Antibody

Catalog No :	YP0513
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	CRMP-2
Fields :	>>Axon guidance
Gene Name :	DPYSL2
Protein Name :	Dihydropyrimidinase-related protein 2
Human Gene Id :	1808
Human Swiss Prot	Q16555
No : Mouse Gene Id :	12934
mouse delle la .	12304
Mouse Swiss Prot No :	O08553
Rat Gene Id :	25416
Rat Swiss Prot No :	P47942
Immunogen :	Synthesized phospho-peptide around the phosphorylation site of human CRMP-2 (phospho Ser522)
Specificity :	Phospho-CRMP-2 (S522) Polyclonal Antibody detects endogenous levels of CRMP-2 protein only when phosphorylated at S522.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.



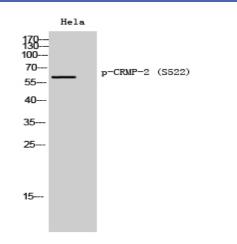
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Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
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Observed Band :	62kD
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Cell Pathway :	Axon guidance;
Background :	This gene encodes a member of the collapsin response mediator protein family.
	Collapsin response mediator proteins form homo- and hetero-tetramers and
	facilitate neuron guidance, growth and polarity. The encoded protein promotes
	microtubule assembly and is required for Sema3A-mediated growth cone collapse, and also plays a role in synaptic signaling through interactions with
	calcium channels. This gene has been implicated in multiple neurological
	disorders, and hyperphosphorylation of the encoded protein may play a key role in
	the development of Alzheimer's disease. Alternatively spliced transcript
	variants encoding multiple isoforms have been observed for this gene. [provided
	by RefSeq, Sep 2011],
Function :	function:Necessary for signaling by class 3 semaphorins and subsequent
runction.	remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth
	cone collapse and cell migration.,PTM:3F4, a monoclonal antibody which strongly
	stains neurofibrillary tangles in Alzheimer disease brains, specifically labels
	DPYSL2 when phosphorylated on Ser-518, Ser-522 and
	Thr-509., similarity: Belongs to the DHOase family.
	Hydantoinase/dihydropyrimidinase subfamily.,subunit:Homotetramer, and
	heterotetramer with CRMP1, DPYSL3, DPYSL4 or DPYSL5 (By similarity).
	Interacts through its C-terminus with the C-terminus of CYFIP1/SRA1. Interacts
	with HTR4.,tissue specificity:Ubiquitous.,
Subcellular	Cytoplasm, cytosol . Cytoplasm, cytoskeleton . Membrane . Tightly but non-
Location :	covalently associated with membranes.
Expression :	Ubiquitous.
Tag :	hot
Sort :	4581
No4 :	1
Host :	Rabbit
11031.	



Modifications :

Phospho

Products Images



Western Blot analysis of Hela cells using Phospho-CRMP-2 (S522) Polyclonal Antibody diluted at 1:2000