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CRMP1 Antibody (monoclonal) (M50)

Mouse monoclonal antibody raised against a partial recombinant CRMP1.
Catalog # AT1629a

Product Information

Application	WB, E
Primary Accession	Q14194
Other Accession	NM_001014809
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2B6
Calculated MW	62184

Additional Information

Gene ID	1400
Other Names	Dihydropyrimidinase-related protein 1, DRP-1, Collapsin response mediator protein 1, CRMP-1, Unc-33-like phosphoprotein 3, ULIP-3, CRMP1, DPYSL1, ULIP3
Target/Specificity	CRMP1 (NP_001014809.1, 221 a.a. ~ 310 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CRMP1 Antibody (monoclonal) (M50) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

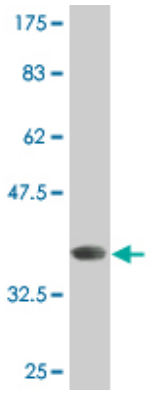
This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants.

References

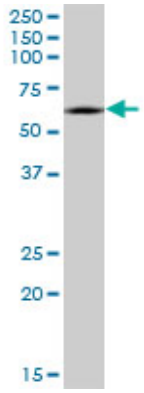
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype

score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Association between genes on chromosome 4p16 and non-syndromic oral clefts in four populations. Ingersoll RG, et al. Eur J Hum Genet, 2010 Jun. PMID 20087401.Loss of collapsin response mediator Protein1, as detected by iTRAQ analysis, promotes invasion of human gliomas expressing mutant EGFRvIII. Mukherjee J, et al. Cancer Res, 2009 Nov 15. PMID 19903856.Mitochondrial alterations in PINK1 deficient cells are influenced by calcineurin-dependent dephosphorylation of dynamin-related protein 1. Sandebring A, et al. PLoS One, 2009 May 27. PMID 19492085.Loss of Drp1 function alters OPA1 processing and changes mitochondrial membrane organization. M?pert K, et al. Exp Cell Res, 2009 Aug 1. PMID 19409380.

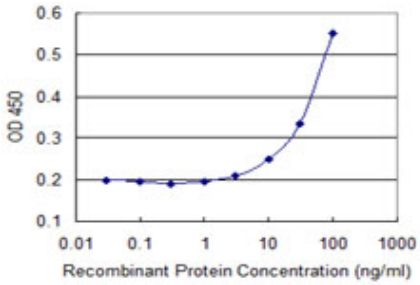
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .



CRMP1 monoclonal antibody (M50), clone 2B6. Western Blot analysis of CRMP1 expression in IMR-32 ((Cat # AT1629a)



Detection limit for recombinant GST tagged CRMP1 is 3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.