www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-CRMP2 (Thr-555), Phosphospecific Antibody

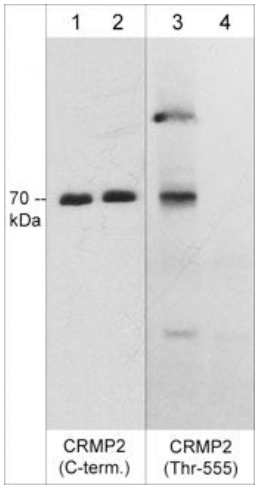
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:CM5391)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M539
Gene Name	DPYSL2
Host Species	Mouse
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone M539 was generated from a phospho-CRMP2 (Thr-555) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding Thr-555 in human CRMP2. This sequence is conserved in rat and mouse CRMP2 and the phospho-site is not conserved in other CRMP family members.
Specificity	The antibody detects a 70 kDa* protein corresponding to CRMP2 on immunoblots of rat PC12 or mouse C2C12 cells treated with calyculin A. This reactivity is not observed after lambda phosphatase dephosphorylation of Thr-555.
Molecular Weight	70
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
UniProt ID	Q16555 UniProt Summary: Plays a role in neuronal development and polarity, as well as in axon growth and guidance, neuronal growth cone collapse and cell migration. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. May play a role in endocytosis.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Thr-555
NCBI Gene ID	1808

Product Images



Western blot of rat PC12 cells stimulated with calyculin A (100 nM) for 30 min (lanes 1-4). Then the blot was treated with lambda phosphatase to dephosphorylate CRMP2 (lanes 2 & 4). The blot was probed with rabbit polyclonal anti-CRMP2 (C-terminal Region) antibody (lanes 1 & 2) or mouse monoclonal anti-CRMP2 (Thr-555) antibody (lanes 3 & 4).