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530-758-4400

PRODUCT DATASHEET

Anti-CRMP2 (Thr-555), Phosphospecific Antibody

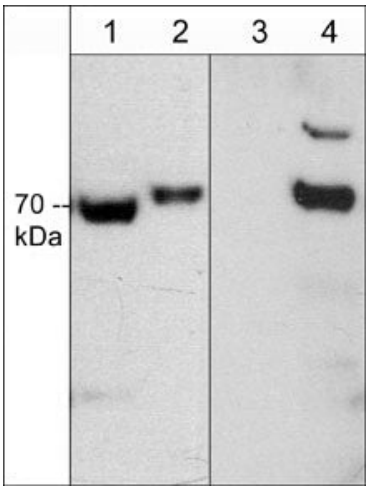
phosphosolutions ANTIBODIES THAT WORK

Product Details

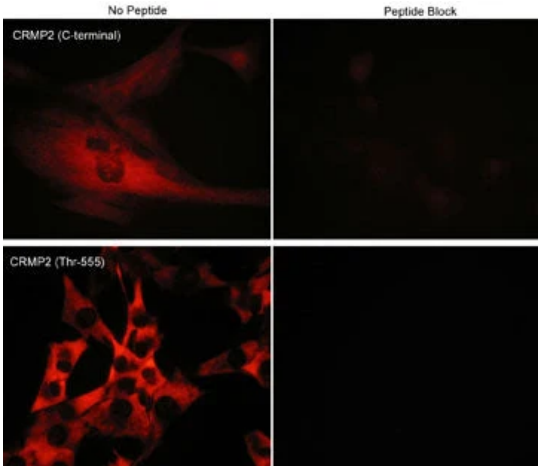
Available Variants	100 µL (SKU:CP2251)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	DPYSL2
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:200
Species Reactivity	Human, Mouse, Rat
Immunogen	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	This antibody was cross-adsorbed to unphosphorylated CRMP2 (Thr-555) before affinity purification using phospho-CRMP2 (Thr-555) peptide (without carrier). 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 can be specifically blocked using phospho-CRMP2 (Thr-555) peptide (CX2255).
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 untreated (lanes 1 & 3) or treated with calyculin A (lanes 2 & 4). The blot was probed with anti-CRMP2 (C-terminal Region) antibody (lanes 1 & 2) or anti-CRMP2 (Thr-555) antibody (lanes 3 & 4).



Immunocytochemical labeling of phosphorylated CRMP2 in mouse C2C12 cells. The cells were probed with CRMP2 (C-terminal region) and CRMP2 (Thr-555) rabbit polyclonal antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3. The antibodies were used in the absence (left) or presence (right) of their respective blocking peptide (CX2165 or CX2255).