www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-CRMP2 (C-terminal region) Antibody

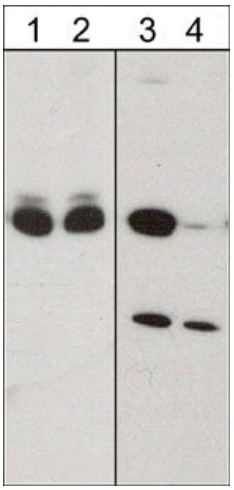
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Product Details

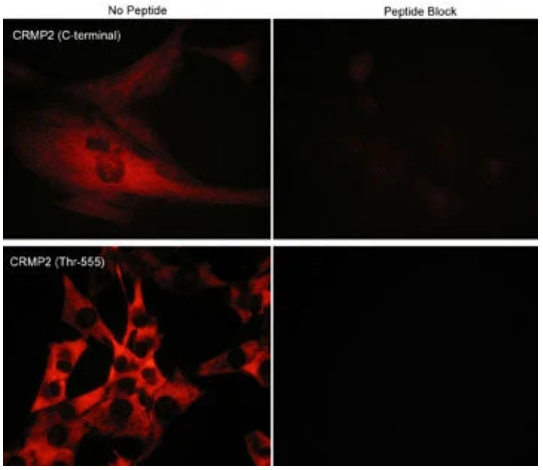
Available Variants	100 µL (SKU:CP2161)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	DPYSL2
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:50 IP: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	CRMP2 synthetic peptide (coupled to carrier protein) corresponding to amino acids in the C-terminal region of human CRMP2. This sequence is conserved in rat and mouse CRMP2, and has high homology to the conserved site in CRMP1. It has 50% homology to CRMP3 and CRMP5.
Specificity	The antibody detects a 70 kDa* protein corresponding to the molecular mass of CRMP2 on SDS-PAGE immunoblots of human SKN-SH cells, mouse brain, and rat PC12 cells. This band on western blot can be specifically blocked using CRMP2 (C-terminal region) peptide (CX2165).
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.
NCBI Gene ID	1808

Product Images



Western blot image of mouse brain untreated (lanes 1 & 3) or treated with lambda phosphatase (lanes 2 & 4). The blot was probed with anti-CRMP2 (C-terminal Region) (lanes 1 & 2) or anti-CRMP2 (Ser-522) (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).