

Anti-CRMP2 (Ser-522), Phosphospecific Antibody



Product Details

Available Variants	100 µL (SKU:CP2191)
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% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-CRMP2 (Ser-522) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding Ser-522 in human CRMP2. This sequence is conserved in rat and mouse CRMP2, and has homology to the conserved site in CRMP1 and CRMP4, but is not conserved in CRMP3 and CRMP5.
Specificity	The antibody detects a 70 kDa* protein corresponding to the molecular mass of CRMP2 on SDS-PAGE immunoblots of human mouse brain, and this band is removed after lambda phosphatase treatment. In addition, this reactivity can be specifically blocked using phospho-CRMP2 (Ser-522) peptide (CX2195).
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](#)

Country of Origin United States

Shipping Blue Ice

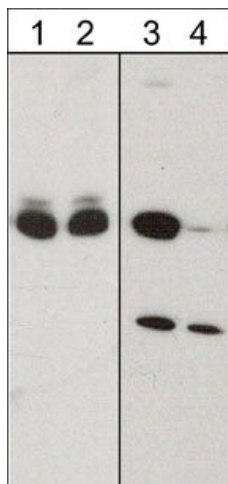
Expiration After date of receipt, stable for at least 1 year at -20°C.

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.

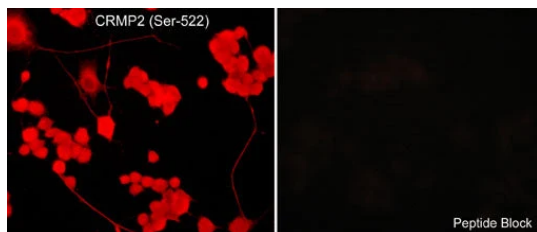
Post Translational Modification Type Phosphorylated

Post Translational Modification Residue Ser-522

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 CRMP2 phosphorylation in aldehyde-fixed and NP-40-permeabilized NGF-differentiated PC12 cells. The cells were labeled with rabbit polyclonal anti-CRMP2 (Ser-522) (CP2191) antibody in the absence (Left) or presence (Right) of blocking peptide (CX2195). The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.



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