www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-Munc-18 (Ser 513) Antibody

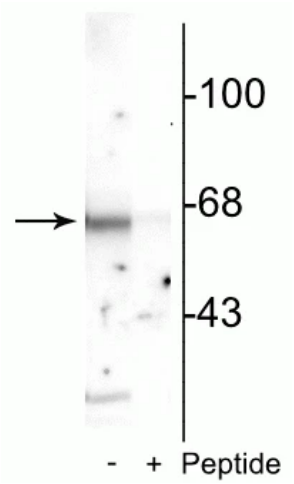
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

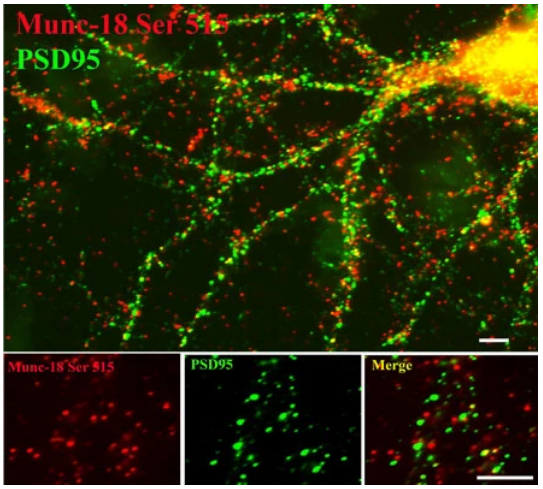
Available Variants	100 µL (SKU:p1305-515) 25 µL (SKU:p1305-515t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	STXBP2
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 ICC: 1:400
Species Reactivity	Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser513 of rat Munc-18, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~65 kDa Munc-18 protein phosphorylated at Ser513. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
Molecular Weight	65 kDa
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.
Antibody Registry ID	AB_2492156
UniProt ID	Q62753 UniProt Summary: Involved in intracellular vesicle trafficking and vesicle fusion with membranes. Contributes to the granule exocytosis machinery through interaction with soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) proteins that regulate membrane fusion. Regulates cytotoxic granule exocytosis in natural killer (NK) cells. {ECO:0000269|PubMed:19804848, ECO:0000269|PubMed:19884660}.
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.
Expected Reactivity	Bovine, Canine, Chicken, Human, Mouse, Non-Human Primate, Xenopus
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser513
NCBI Gene ID	81804

Product Images



Western blot of rat cortical lysate showing specific immunolabeling of the ~65 kDa Munc-18 protein phosphorylated at Ser513 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).



Immunostaining of 14 DIV rat cortical neurons showing specific labeling of Munc-18 phosphorylated at Ser513 (Cat. p1305-515, 1:400,m red) and PSD95 (green).

Created on 30. October 2026 | All information without guarantee