

Datasheet for ABIN361480

anti-STXBP2 antibody (pSer513)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	STXBP2
Binding Specificity:	pSer513
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser513 conjugated to KLH
Specificity:	Specific for the ~65k Munc-18 protein phosphorylated at Ser515. Immunolabeling is blocked by the phosphopeptide used as antigen but not by the corresponding dephosphopeptide.
Cross-Reactivity:	Rat (Rattus)
Predicted Reactivity:	bovine, canine, chicken, human, mouse, non-human primate, Xenopus
Purification:	Antigen Affinity Purified from Pooled Serum

Target Details

Target:	STXBP2
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Target Details

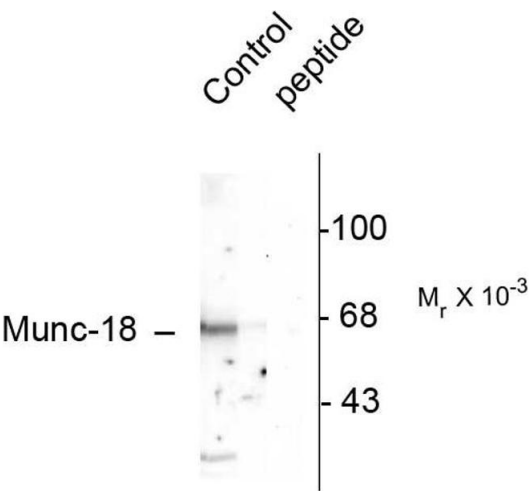
Alternative Name:	STXBP2 (STXBP2 Products)
Background:	<p>Munc-18 (mammalian homologue of Unc-18) is a protein that is thought to be involved in regulating exocytosis due, at least in part, to it ability to bind syntaxin (Ciufo et al., 2005).</p> <p>Munc18-1 is a neuron-specific member of the Sec1/Munc18 protein family that binds to syntaxin1A and is thought to stabilize the complex (Liu et al., 2004). The function of Munc-18 is thought to be regulated by PKC phosphorylation of Ser515 on the Munc-18 protein (Sassa et al., 1996). Anti-Phospho-Ser515 Munc-18 Western blot of rat cortex lysate showing specific immunolabeling of the ~65k Munc-18 protein phosphorylated at Ser515. Immunolabeling is blocked by the phosphopeptide (peptide) used as antigen but not by the corresponding dephosphopeptide (not shown). .</p>
Molecular Weight:	'65 kDa
Gene ID:	81804
UniProt:	Q62753
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Recommended Dilution: WB: 1:1000 IHC: 1:400 Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

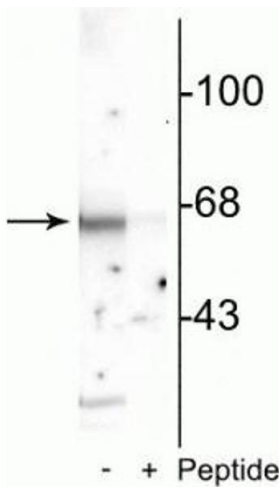
Handling

Format:	Liquid
Buffer:	100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.
Storage:	-20 °C



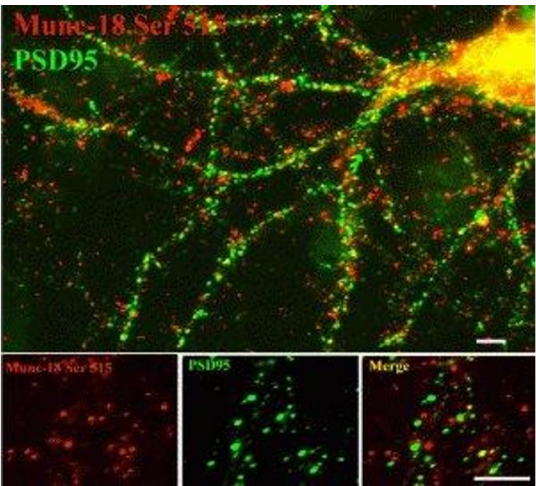
Western Blotting

Image 1. Western blots of rat cortex lysate showing specific immunolabeling of the ~65k Munc-18 protein phosphorylated at Ser515. Immunolabeling is blocked by the phosphopeptide (peptide) used as antigen but not by the corresponding dephosphopeptide (not shown).



Western Blotting

Image 2. 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

Image 3. Immunostaining of 14 DIV rat cortical neurons showing specific labeling of Munc-18 phosphorylated at Ser513 (red) and PSD95 (green).