

ARG52343 anti-Munc18 phospho (Ser 515) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Munc18 phospho (Ser 515)
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms, Bov, Chk, Dog, NHuPrm, Xenopus laevis
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Munc18
Species	Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser515 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	Protein unc-18 homolog B; UNC18-2; Unc-18B; MUNC18-2; Unc18-2; Protein unc-18 homolog 2; UNC18B; FHL5; pp10122; Hunc18b; Syntaxin-binding protein 2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:400
	WB	1:1000
Application Note	<p>Specific for the ~65k Munc-18 protein phosphorylated at Ser513 . Immunolabeling is blocked by the phosphopeptide used as antigen but not by the corresponding dephosphopeptide.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

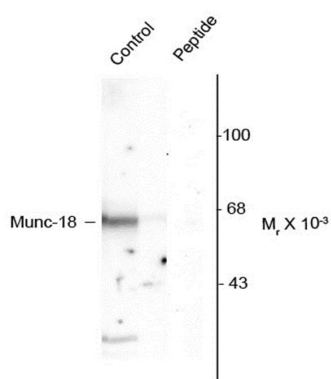
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 81804 Rat Swiss-port # Q62753 Rat
Gene Symbol	STXBP2
Gene Full Name	syntaxin binding protein 2
Background	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 its ability to bind syntaxin (Ciufo et al., 2005). 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 Unc-18 is thought to be regulated by PKC phosphorylation of Ser515 in <i>C. Elegans</i> (Sassa et al., 1996). Ser513 is the mammalian homologue of Ser515 in <i>C. Elegans</i> .
Research Area	Signaling Transduction antibody
Calculated Mw	66 kDa

Images



ARG52343 anti-Munc18 phospho (Ser 515) antibody WB image

Western blot: Rat cortex lysate showing phospho-specific immunolabeling of the ~65k Munc-18 stained with phosphorylated at Ser 515 stained with ARG52343 anti-Munc18 phospho (Ser 515) antibody.