

ARG52342 anti-Munc18-1 phospho (Ser241) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Munc18-1 phospho (Ser241)
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Bov, Chk, Dog, NHuPrm, Sheep
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Munc18-1
Species	Mouse
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser241 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	p67; Unc18-1; Protein unc-18 homolog A; MUNC18-1; RBSEC1; NSEC1; Protein unc-18 homolog 1; UNC18; Unc-18A; P67; Syntaxin-binding protein 1; N-Sec1

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	<p>Specific for the ~65k Munc18-1 protein phosphorylated at Ser241. Immunolabeling is blocked by the treatment of the lysate with lambda phosphatase (30 minutes, 800 units / 1 mg protein).</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

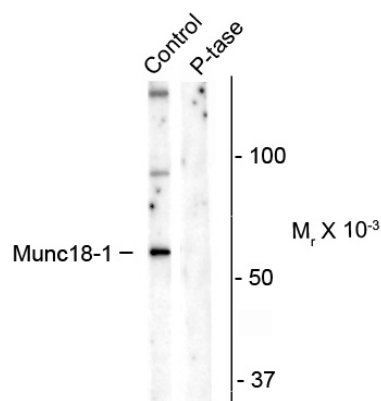
Properties

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: 20910 Mouse Swiss-port # O08599 Mouse
Gene Symbol	STXBP1
Gene Full Name	syntaxin binding protein 1
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 it 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 Munc18-1 is thought to be regulated by phosphorylation.
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	68 kDa

Images



ARG52342 anti-Munc18-1 phospho (Ser241) antibody WB image

Western blot: Mouse hippocampus lysate showing specific immunolabeling of the ~65k Munc18-1 protein phosphorylated at Ser 241 stained with ARG52342 anti-Munc18-1 phospho (Ser241) antibody.
Phosphospecificity is shown in the second lane where immunolabeling is blocked by treatment of the lysate with lambda phosphatase (P-tase).