

Anti-Munc-18 (Ser 513) Antibody

Our Anti-Munc-18 (Ser 513) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions
Catalog # AN1460

Specification

Anti-Munc-18 (Ser 513) Antibody - Product Information

Application	WB
Primary Accession	Q62753
Reactivity	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	66696

Anti-Munc-18 (Ser 513) Antibody - Additional Information

Gene ID **81804**

Other Names

FLJ37475 antibody, Munc 18 1 antibody, Munc 18a antibody, MUNC18 1 antibody, N-Sec1 antibody, Neuronal SEC1 antibody, NSec1 antibody, p67 antibody, Protein unc-18 homolog 1 antibody, Protein unc-18 homolog A antibody, Rb sec1 antibody, RBSEC1 antibody, STXB1_HUMAN antibody, STXBP1 antibody, Syntaxin binding protein 1 antibody, Syntaxin-binding protein 1 antibody, Unc 18 homolog antibody, Unc 18A antibody, Unc-18A antibody, Unc18 1 antibody, UNC18 antibody, Unc18-1 antibody

Target/Specificity

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 Ser-515 in *C. Elegans* (Sassa et al., 1996). Ser-513 is the mammalian homologue of Ser-515 in *C. Elegans*.

Dilution

WB~~1:1000

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Munc-18 (Ser 513) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

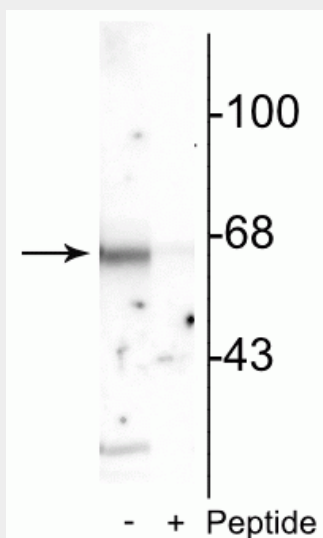
Blue Ice

Anti-Munc-18 (Ser 513) Antibody - Protocols

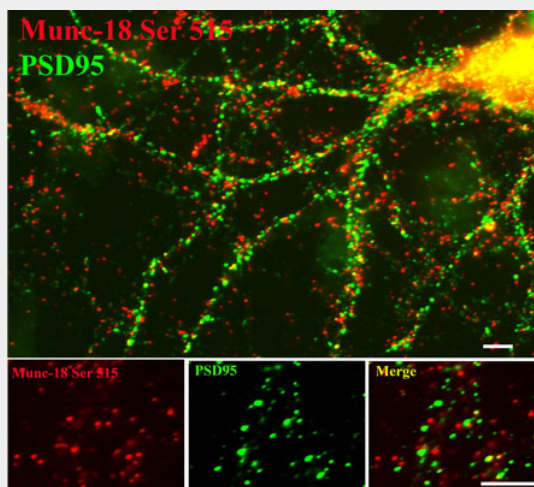
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Munc-18 (Ser 513) Antibody - 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).

Anti-Munc-18 (Ser 513) Antibody - 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 Ser-515 in *C. Elegans* (Sassa et al., 1996). Ser-513 is the mammalian homologue of Ser-515 in *C. Elegans*.