10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Syntaxin Antibody

Our Anti-Syntaxin primary antibody from PhosphoSolutions is mouse monoclonal. It detects human, rat,
Catalog # AN1572

Product Information

Application	WB, IHC
Primary Accession	Q16623
Reactivity	Rat, Pig
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	SP8
Calculated MW	33023

Additional Information

Gene ID	6804
Other Names	HPC 1 antibody, Neuron specific antigen HPC1 antibody, Neuron-specific antigen HPC-1 antibody, OTTHUMP00000174615 antibody, OTTHUMP00000174616 antibody, OTTHUMP00000174617 antibody, OTTHUMP00000174618 antibody, P35-1 antibody, STX1 antibody, STX1A antibody, STX1A_HUMAN antibody, SYN1A antibody, Syntaxin 1A (brain) antibody, Syntaxin 1A brain antibody, Syntaxin-1A antibody
Target/Specificity	Syntaxins are a family of proteins involved in the docking of synaptic vesicles with the plasma membrane. Syntaxin, along with synaptobrevin and SNAP-25, forms the SNARE complex which mediates synaptic vesicle fusion and exocytosis. Binding of Munc18-1 to the N-terminus of syntaxin 1 has been demonstrated to be essential for exocytic membrane fusion (Khvotchev et al., 2007). Decreased levels of phosphorylated syntaxin 1 in the prefrontal cortex have recently been correlated with schizophrenia (Castillo et al., 2010).
Dilution	WB~~1:1000 IHC~~1:100~500
Format	Protein G Purified
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-Syntaxin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Syntaxins are a family of proteins involved in the docking of synaptic vesicles with the plasma membrane. Syntaxin, along with synaptobrevin and SNAP-25, forms the SNARE complex which mediates synaptic vesicle fusion and exocytosis. Binding of Munc18-1 to the N-terminus of syntaxin 1 has been demonstrated to be essential for exocytic membrane fusion (Khvotchev et al., 2007). Decreased levels of phosphorylated syntaxin 1 in the prefrontal cortex have recently been correlated with schizophrenia (Castillo et al., 2010).

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