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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

Additional Information

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).