

Product datasheet for TA309250

Syntaxin 1a (STX1A) Mouse Monoclonal Antibody [Clone ID: SP8]

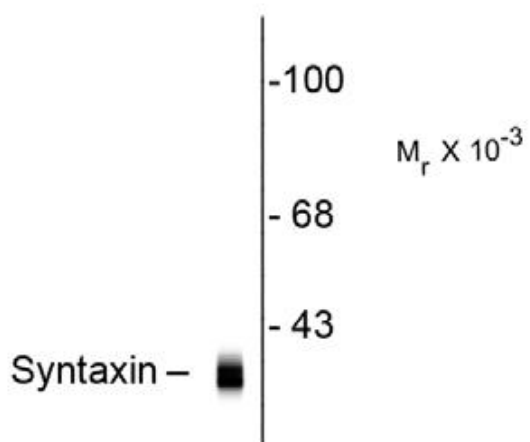
Product data:

Product Type:	Primary Antibodies
Clone Name:	SP8
Applications:	WB
Recommend Dilution:	WB: 1:1000, IHC: 1:100
Reactivity:	Hamster, Human, Porcine, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synaptic immunoprecipitate (crude) from human brain
Formulation:	100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Purification:	Protein G purified
Predicted Protein Size:	36 kDa
Gene Name:	syntaxin 1A
Database Link:	NP_004594 Entrez Gene 116470 RatEntrez Gene 6804 Human
Background:	This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain (known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagmin in a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Synonyms:	HPC-1; P35-1; STX1; SYN1A
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport



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Product images:



Western blot of rat cortex lysate showing specific immunolabeling of the ~ 36k syntaxin 1A protein.