

Product datasheet for **TA326453**

Stx1a Mouse Monoclonal Antibody [Clone ID: SP-6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SP-6
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Raised against synaptic vesicle-containing fractions of immunoprecipitated human brain homogenate
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	syntaxin 1A (brain)
Database Link:	NP_058081 Entrez Gene 116470 Rat Entrez Gene 20907 Mouse O35526



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Background:

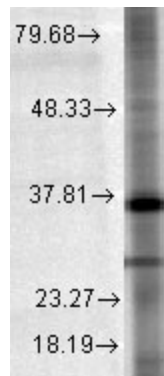
Syntaxins are a family of membrane integrated Q-SNARE proteins participating in exocytosis . They possess a single C-terminal transmembrane domain, a SNARE domain, and an N-terminal regulatory domain. This SNARE domain binds to synaptobrevin and SNAP-25 to form the SNARE complex . Support of syntaxins involvement in vesicular transport and neurotransmission includes the requirement of its yeast homologs, SSO 1 and 2, in targeting and fusion of Golgi-derived vesicles with the plasma membrane . Syntaxin also provides the target pf clostridial neurotoxin C1, which blocks neurotransmitter release . The formation of 20S complex involves the interaction of VAMP with syntaxin through an ATP-dependent reaction modulated by synaptotagmin, SNAP-25, a-SNAP and NSF .

Synonyms:

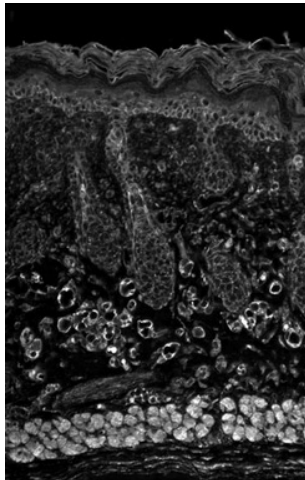
HPC-1; p35-1; STX1

Note:

Detects ~38kDa

Product images:

Western blot analysis of Syntaxin in a rat tissue mix using a 1:1000 dilution of the antibody



Syntaxin visualized using the antibody