

Syntaxin Binding Protein 1 Rabbit mAb
Catalog # AP78322**Specification**

Syntaxin Binding Protein 1 Rabbit mAb - Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P61764
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human STXBP1
Purification	Affinity Purified
Calculated MW	Calculated MW: 68 kDa; Observed MW: 65 kDa

Syntaxin Binding Protein 1 Rabbit mAb - Additional Information**Gene ID** 6812**Other Names**
STXBP1**Dilution**
WB~~1/500-1/1000
IHC-P~~N/A
IF~~1:50~200
ICC~~N/A**Format**
Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Syntaxin Binding Protein 1 Rabbit mAb - Protein Information****Name** STXBP1**Synonyms** UNC18A**Function**
Participates in the regulation of synaptic vesicle docking and fusion through interaction with GTP-binding proteins (By similarity). Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with

syntaxins 1, 2, and 3 but not syntaxin 4. Involved in the release of neurotransmitters from neurons through interacting with SNARE complex component STX1A and mediating the assembly of the SNARE complex at synaptic membranes (By similarity). May play a role in determining the specificity of intracellular fusion reactions.

Cellular Location

Cytoplasm, cytosol. Membrane; Peripheral membrane protein

Tissue Location

Brain and spinal cord. Highly enriched in axons.

Syntaxin Binding Protein 1 Rabbit mAb - 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](#)

Syntaxin Binding Protein 1 Rabbit mAb - Images