

**STXBP1 Antibody**  
**Rabbit mAb**  
**Catalog # AP92400****Specification**

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**STXBP1 Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">P61764</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
P67; NSEC1; UNC18; RBSEC1; MUNC18-1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	67569 Da

**STXBP1 Antibody - Additional Information**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human STXBP1</b>
Description	<b>May participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**STXBP1 Antibody - 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

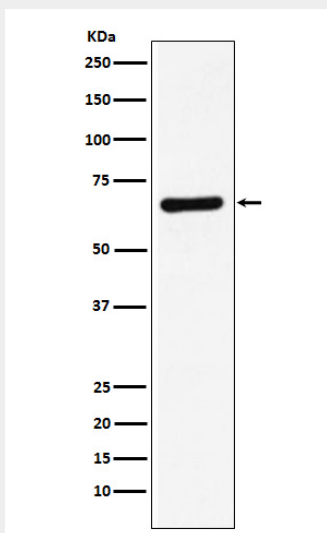
**Tissue Location**

Brain and spinal cord. Highly enriched in axons.

**STXBP1 Antibody - 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](#)

**STXBP1 Antibody - Images**

Western blot analysis of STXBP1 expression in HeLa cell lysate.