

**STXBP1 / MUNC18-1 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13421****Specification**

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**STXBP1 / MUNC18-1 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">P61764</a>
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	68kDa KDa

**STXBP1 / MUNC18-1 Antibody (C-Terminus) - Additional Information****Gene ID** 6812**Other Names**

Syntaxin-binding protein 1, MUNC18-1, N-Sec1, Protein unc-18 homolog 1, Unc18-1, Protein unc-18 homolog A, Unc-18A, p67, STXBP1, UNC18A

**Target/Specificity**

Human STXBP1. This antibody is expected to recognize isoform a (NP\_003156.1).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

STXBP1 / MUNC18-1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**STXBP1 / MUNC18-1 Antibody (C-Terminus) - 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

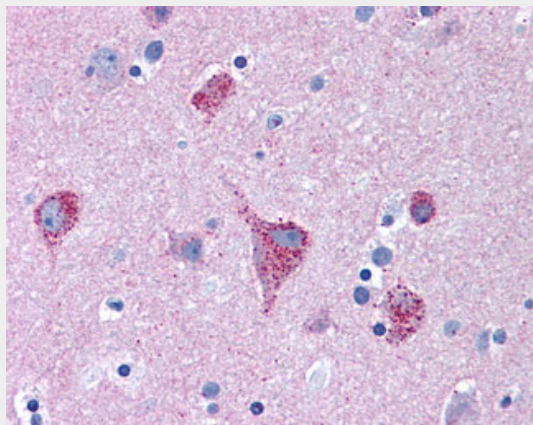
**Tissue Location**

Brain and spinal cord. Highly enriched in axons.

**STXBP1 / MUNC18-1 Antibody (C-Terminus) - 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 / MUNC18-1 Antibody (C-Terminus) - Images**

Anti-STXBP1 antibody IHC of human brain, cortex.

**STXBP1 / MUNC18-1 Antibody (C-Terminus) - Background**

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. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. May play a role in determining the specificity of intracellular fusion reactions.

**STXBP1 / MUNC18-1 Antibody (C-Terminus) - References**

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Swanson D.A., et al. Genomics 48:373-376(1998).  
Humphray S.J., et al. Nature 429:369-374(2004).  
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