

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

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

Application	WB, IHC-P, E
Primary Accession	P61764
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	68kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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

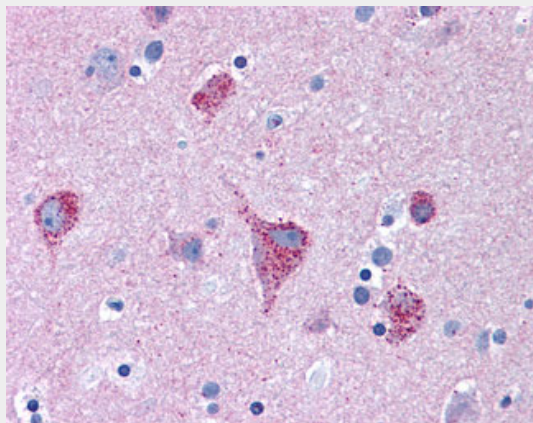
Tissue Location

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

Gengyo-Ando K., et al. J. Neurosci. 16:6695-6702(1996).
Swanson D.A., et al. Genomics 48:373-376(1998).
Humphray S.J., et al. Nature 429:369-374(2004).
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