

STXBP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6623b**Specification****STXBP1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P61764](#)**STXBP1 Antibody (C-term) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP6623b](/products/AP6623b) was selected from the C-term region of human STXBP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STXBP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** STXBP1**STXBP1 Antibody (C-term) Blocking Peptide - Background**

STXBP1 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. The protein is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. It can interact with syntaxins 1, 2, and 3 but not syntaxin 4 and may play a role in determining the specificity of intracellular fusion reactions.

STXBP1 Antibody (C-term) Blocking Peptide - References

Behan,A.T., Mol. Psychiatry 14 (6), 601-613 (2009)
Saito,H., Nat. Genet. 40 (6), 782-788 (2008)

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. 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 (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)