

STXBP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6623c**Specification****STXBP1 Antibody (Center) Blocking Peptide -
Product Information**Primary Accession [P61764](#)**STXBP1 Antibody (Center) 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 [AP6623c](/products/AP6623c) was selected from the Center 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 (Center) Blocking Peptide -
Protein Information****Name** STXBP1**STXBP1 Antibody (Center) 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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)