

STXBP1 Antibody

Rabbit mAb Catalog # AP92400

Specification

STXBP1 Antibody - Product Information

Application WB, IHC, ICC

Primary Accession P61764
Reactivity Rat

Clonality Monoclonal

Other Names

P67; NSEC1; UNC18; RBSEC1; MUNC18-1;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 67569 Da

STXBP1 Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

ICC~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

STXBP1

Description 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.

Storage Condition and Buffer 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.

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





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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

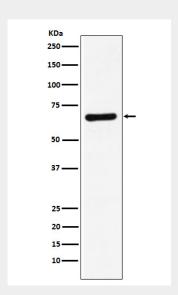
Brain and spinal cord. Highly enriched in axons.

STXBP1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STXBP1 Antibody - Images



Western blot analysis of STXBP1 expression in HeLa cell lysate.