

Biotin-conjugated STXBP1 Monoclonal antibody

Catalog Number: Biotin-67137

Basic Information

Catalog Number: Biotin-67137	GenBank Accession Number: BC015749	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 6812	CloneNo.: 1B5B3
Source: Mouse	UNIPROT ID: P61764	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG2a	Full Name: syntaxin binding protein 1	
Immunogen Catalog Number: AG28605	Calculated MW: 594 aa, 68 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : mouse brain tissue,
Species Specificity: human, mouse, rat, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

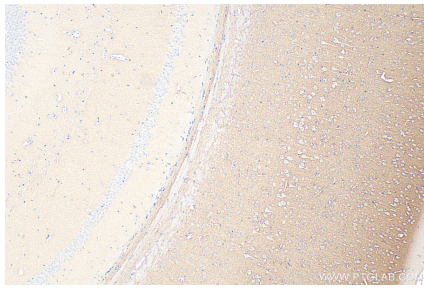
Background Information

STXBP1, also named as UNC18A, N-Sec1 and p67 belongs to the STXBP/unc-18/SEC1 family. STXBP1 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. It is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. STXBP1 can interact with syntaxins 1, 2, and 3 but not syntaxin 4. It may play a role in determining the specificity of intracellular fusion reactions.

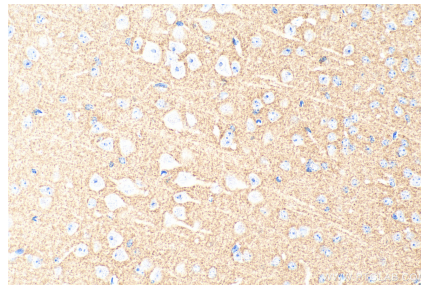
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-67137 (STXBP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-67137 (STXBP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).