

For Research Use Only

STX1B Recombinant antibody

Catalog Number:83298-1-RR



Basic Information

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|---|--|--|
| Catalog Number: 83298-1-RR | GenBank Accession Number: BC062298 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 112755 | CloneNo.: 240156B9 |
| Source: Rabbit | UNIPROT ID: P61266 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:500-1:2000 |
| Isotype: IgG | Full Name: syntaxin 1B | |
| Immunogen Catalog Number: AG10275 | Calculated MW: 288 aa, 33 kDa | |
| | Observed MW: 33-35 kDa | |

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Y79 cells,

IHC : mouse eye tissue, mouse brain tissue

IF/ICC : mouse brain tissue,

Background Information

Syntaxins are a family of transmembrane proteins that belong to the SNARE complex (PMID: 11737951). In conjunction with other SNAREs and with the cytoplasmic NSF and SNAP proteins, syntaxins mediate vesicle fusion in diverse vesicular transport processes along the exocytic and endocytic pathways (PMID: 11737951). Syntaxin 1A and 1B, two closely related isoforms of syntaxin 1, are involved in synaptic vesicle docking and fusion during neurotransmitter release (PMID: 7690687; 1321498; 18691641).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

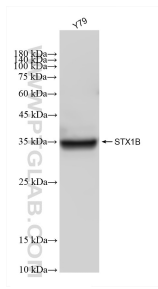
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

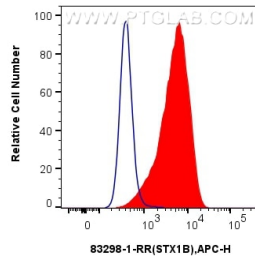
E: proteintech@ptglab.com
W: ptglab.com

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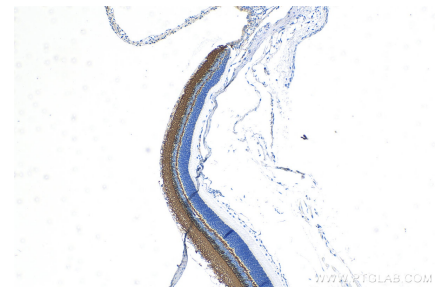
Selected Validation Data



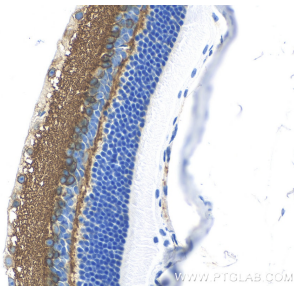
Y79 cells were subjected to SDS PAGE followed by western blot with 83298-1-RR (STX1B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



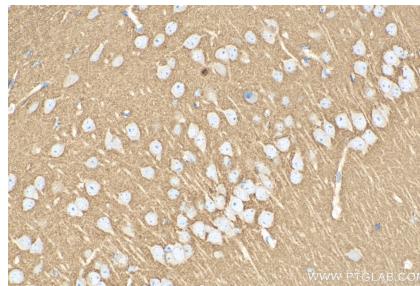
1×10^6 SH-SY5Y cells were intracellularly stained with 0.25 μ g Stx1b Recombinant Antibody (83298-1-RR, Clone:240156B9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



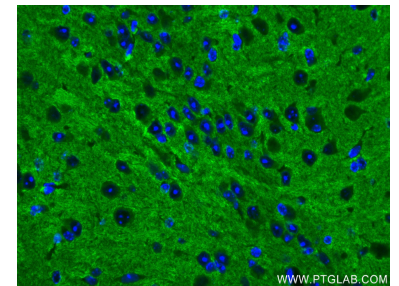
Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 83298-1-RR (STX1B antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



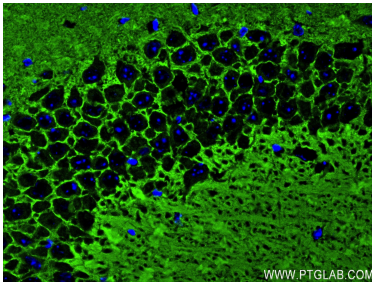
Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 83298-1-RR (STX1B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



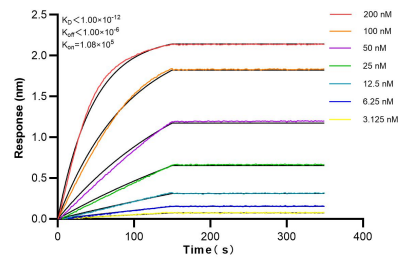
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83298-1-RR (STX1B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using STX1B antibody (83298-1-RR, Clone: 240156B9) at dilution of 1:1000 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using STX1B antibody (83298-1-RR, Clone: 240156B9) at dilution of 1:1000 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83298-1-RR against Human STX1B were performed. The affinity constant is below 1 pM.