

For Research Use Only

STX1A Polyclonal antibody, PBS Only

Catalog Number: 55164-1-PBS



Basic Information

Catalog Number:

55164-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004603

GeneID (NCBI):

6804

UNIPROT ID:

Q16623

Full Name:

syntaxin 1A (brain)

Calculated MW:

33 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 (STX1A) and 1B (STX1B), two closely related isoforms of syntaxin 1, are involved in synaptic vesicle docking and fusion during neurotransmitter release (PMID: 7690687; 1321498; 18691641). Syntaxin 1A is associated with a variety of neurological diseases, including epilepsy, attention deficit hyperactivity disorder (ADHD), migraine, etc (PMID: 26918652; 25445064; 22250207). This antibody recognizes human STX1A.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

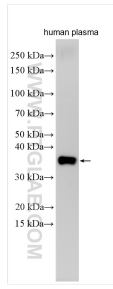
For technical support and original validation data for this product please contact:

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



human plasma was subjected to SDS PAGE followed by western blot with 55164-1-AP (STX1A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55164-1-PBS in a different storage buffer formulation.