

For Research Use Only

# STX1A Polyclonal antibody, PBS Only

Catalog Number: 55164-1-PBS



## Basic Information

Catalog Number:

55164-1-PBS

Size:

1 mg/ml

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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

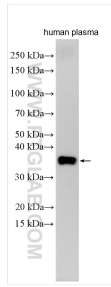
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.