

For Research Use Only

Synaptotagmin-10 Polyclonal antibody

Catalog Number: 20881-1-AP



Basic Information

Catalog Number:

20881-1-AP

Size:

200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15018

GenBank Accession Number:

BC101024

GeneID (NCBI):

341359

UNIPROT ID:

Q6XYQ8

Full Name:

synaptotagmin X

Calculated MW:

523 aa, 59 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis (PMID: 8058779). SYT10 (synaptotagmin-10) functions as a Ca²⁺ sensor to trigger IGF-1 exocytosis in neurons. Loss of Syt10 impairs activity-dependent IGF-1 secretion in olfactory bulb neurons and results in smaller neurons and an overall reduction in the number of synapses (PMID: 21496647).

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

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

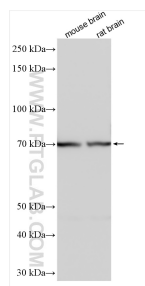
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20881-1-AP (SYT10 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.