

For Research Use Only

Synaptotagmin-10 Polyclonal antibody, PBS Only

Catalog Number: 20881-1-PBS



Basic Information

Catalog Number:

20881-1-PBS

Size:

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

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

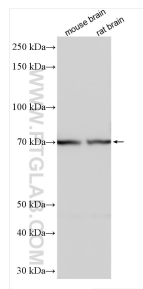
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Selected Validation Data



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. This data was developed using the same antibody clone with 20881-1-PBS in a different storage buffer formulation.