

For Research Use Only

Synaptotagmin-10 Polyclonal antibody

Catalog Number: 20881-1-AP



Basic Information

Catalog Number: 20881-1-AP	GenBank Accession Number: BC101024	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop;	GeneID (NCBI): 341359	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q6XYQ8	
Isotype: IgG	Full Name: synaptotagmin X	
Immunogen Catalog Number: AG15018	Calculated MW: 523 aa, 59 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
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

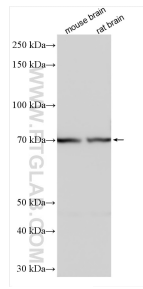
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



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.