

For Research Use Only

# Synaptotagmin-10 Polyclonal antibody, PBS Only

Catalog Number: 20881-1-PBS



## Basic Information

<b>Catalog Number:</b> 20881-1-PBS	<b>GenBank Accession Number:</b> BC101024	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 341359	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6XYQ8	
<b>Isotype:</b> IgG	<b>Full Name:</b> synaptotagmin X	
<b>Immunogen Catalog Number:</b> AG15018	<b>Calculated MW:</b> 523 aa, 59 kDa	
	<b>Observed MW:</b> 70 kDa	

## 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 Ca<sup>2+</sup> sensors in the process of vesicular trafficking and exocytosis (PMID: 8058779). SYT10 (synaptotagmin-10) functions as a Ca<sup>2+</sup> 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.  
**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:

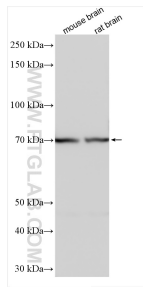
T: 4006900926

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

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

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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.