

For Research Use Only

# Synaptotagmin-10 Polyclonal antibody



Catalog Number: 20881-1-AP

## Basic Information

<b>Catalog Number:</b> 20881-1-AP	<b>GenBank Accession Number:</b> BC101024	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 200 µg/ml	<b>GeneID (NCBI):</b> 341359	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<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

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> 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) Syt10 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 -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:

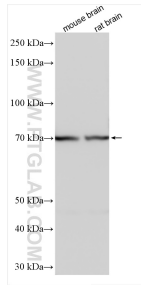
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## Selected Validation Data



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.