

For Research Use Only

Synaptotagmin-5 Recombinant antibody, PBS Only

Catalog Number: 84452-1-PBS



Basic Information

Catalog Number: 84452-1-PBS	GenBank Accession Number: BC046157	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6861	CloneNo.: 241452E3
Source: Rabbit	UNIPROT ID: O00445	
Isotype: IgG	Full Name: synaptotagmin V	
Immunogen Catalog Number: AG12677	Calculated MW: 43 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, 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). Synaptotagmin-5 (SYT5) belongs to the synaptotagmin family. Synaptotagmin-5 can function as an exocytosis regulator (PMID: 27793683) and is a protein potentially associated with the pathology of schizophrenia (PMID: 32860155).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

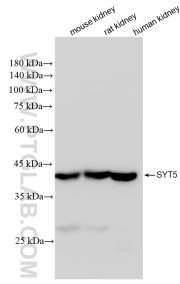
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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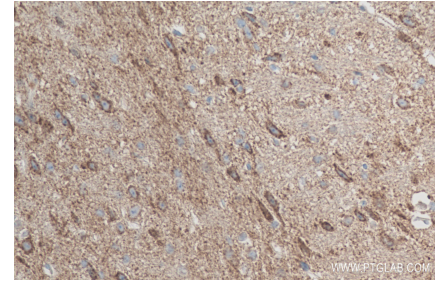
Selected Validation Data



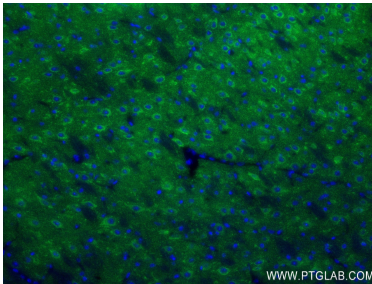
Various lysates were subjected to SDS PAGE followed by western blot with 84452-1-RR (Synaptotagmin-5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84452-1-PBS in a different storage buffer formulation.



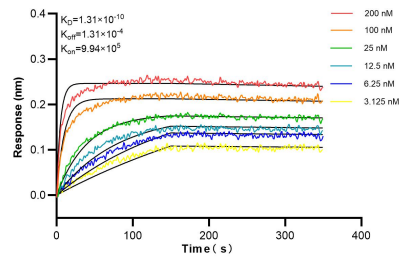
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84452-1-RR (Synaptotagmin-5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84452-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84452-1-RR (Synaptotagmin-5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84452-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Synaptotagmin-5 antibody (84452-1-RR, Clone: 241452E3) at dilution of 1:200 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84452-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84452-1-RR against Human Synaptotagmin-5 were performed. The affinity constant is 0.131 nM.