

For Research Use Only

Synaptotagmin-9 Recombinant antibody, PBS Only

Catalog Number: 84123-3-PBS



Basic Information

Catalog Number: 84123-3-PBS	GenBank Accession Number: BC029605	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 143425	CloneNo.: 241407A11
Source: Rabbit	UNIPROT ID: Q86556	
Isotype: IgG	Full Name: synaptotagmin IX	
Immunogen Catalog Number: AG3520	Calculated MW: 491 aa, 52 kDa	
	Observed MW: 52-56 kDa	

Applications

Tested Applications:
WB, IF-P, Indirect ELISA

Species Specificity:
human, mouse

Background Information

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (PMID: 8058779). Synaptotagmin-9 (SYT9) is a tandem C2 domain Ca 2+ sensor for exocytosis in neuroendocrine cells (PMID: 36732068).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

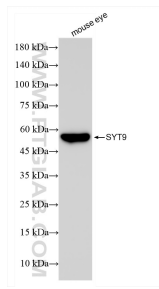
For technical support and original validation data for this product please contact:

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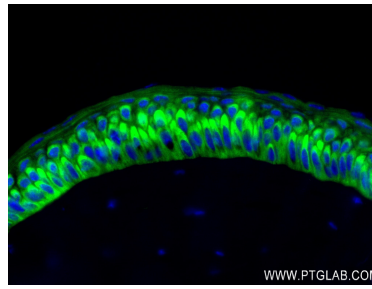
E: proteintech@ptglab.com
W: ptglab.com

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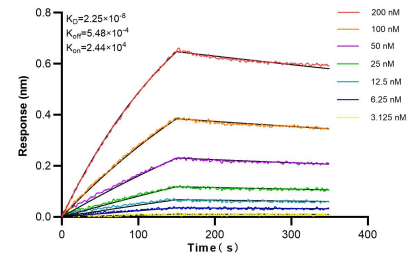
Selected Validation Data



mouse eye tissue was subjected to SDS PAGE followed by western blot with 84123-3-RR (Synaptotagmin-9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84123-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse retina tissue using Synaptotagmin-9 antibody (84123-3-RR, Clone: 241407A11) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84123-3-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84123-3-RR against Human Synaptotagmin-9 were performed. The affinity constant is 22.5 nM.