

For Research Use Only

Synaptotagmin-9 Recombinant antibody

Catalog Number: 84123-3-RR



Basic Information

| | | |
|--|--|---|
| Catalog Number: 84123-3-RR | GenBank Accession Number: BC029605 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 143425 | CloneNo.: 241407A11 |
| Source: Rabbit | UNIPROT ID: Q86SS6 | Recommended Dilutions: WB 1:5000-1:50000 IF-P 1:250-1:1000 |
| Isotype: IgG | Full Name: synaptotagmin IX | |
| Immunogen Catalog Number: AG3520 | Calculated MW: 491 aa, 52 kDa | |
| | Observed MW: 52-56 kDa | |

Applications

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|--|---|
| Tested Applications: WB, IF-P, ELISA | Positive Controls: |
| Species Specificity: human, mouse | WB : mouse eye tissue, IF-P : mouse retina tissue, |

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

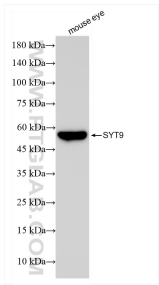
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

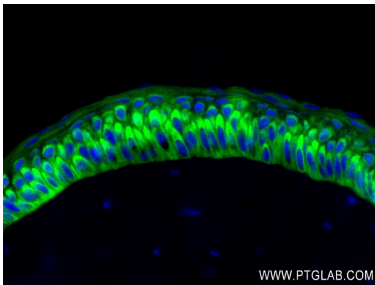
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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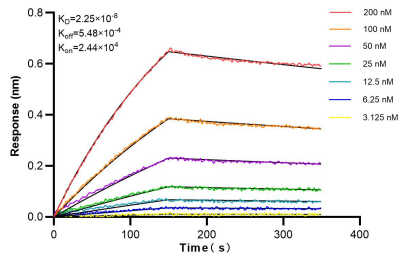
Selected Validation Data



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.



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).



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