For Research Use Only

Synaptotagmin-9 Recombinant antibody

Catalog Number:84123-3-RR

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Uni-rAb
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Basic Information

Catalog Number:
84123-3-RR

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3520

GenBank Accession Number:
BC029605

GeneID (NCBI):
143425

UNIPROT ID:
Q86SS6

Full Name:
synaptotagmin IX

Calculated MW:
491 aa, 52 kDa

Observed MW:
52-56 kDa

Purification Method:
Protein A purfication

CloneNo.:
241407A11

Recommended Dilutions:
WB 1:5000-1:50000
IF-P 1:250-1:1000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : mouse eye tissue,

IF-P : mouse retina tissue,

Background Information

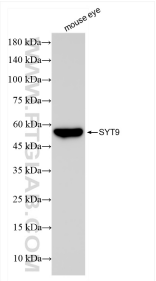
The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (PMID: 8058779). Synaptotagmin-9 (SYT9) is a tandem C2 domain Ca 2+ sensor for exocytosis in neuroendocrine cells (PMID: 36732068).

Storage

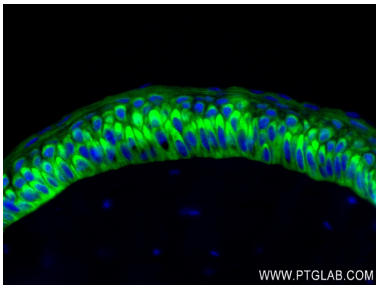
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

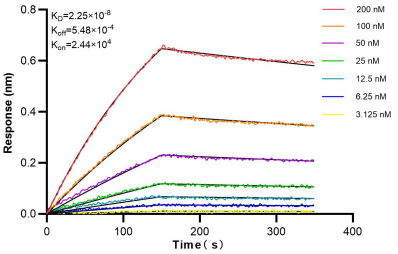
Selected Validation Data



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.