

For Research Use Only

# Synaptotagmin-9 Monoclonal antibody

Catalog Number: 68430-1-Ig



## Basic Information

Catalog Number:

68430-1-Ig

Size:

150ul , Concentration: 500 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG33194

GenBank Accession Number:

BC029605

GeneID (NCBI):

143425

UNIPROT ID:

Q86SS6

Full Name:

synaptotagmin IX

Calculated MW:

491 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Protein G purification

CloneNo.:

3D2F2

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat, rabbit

Positive Controls:

WB : rabbit retina tissue, rat retina tissue, 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:

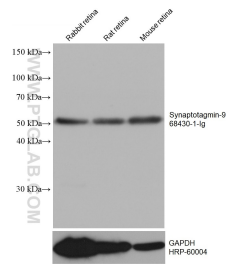
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68430-1-Ig (Synaptotagmin-9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.