

For Research Use Only

Synaptotagmin-5 Recombinant antibody, PBS Only

Catalog Number: 84452-1-PBS



Basic Information

Catalog Number:

84452-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12677

GenBank Accession Number:

BC046157

GeneID (NCBI):

6861

UNIPROT ID:

O00445

Full Name:

synaptotagmin V

Calculated MW:

43 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

241452E3

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

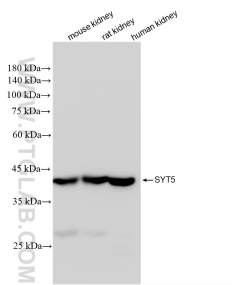
T: 4006900926

E: Proteintech-CN@ptglab.com

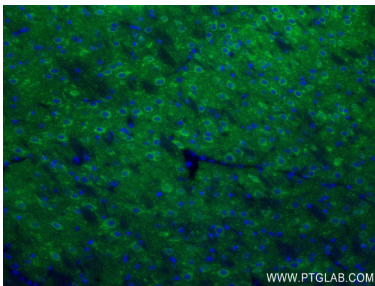
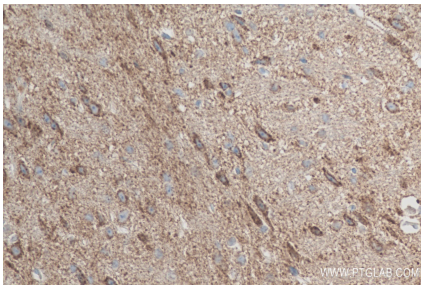
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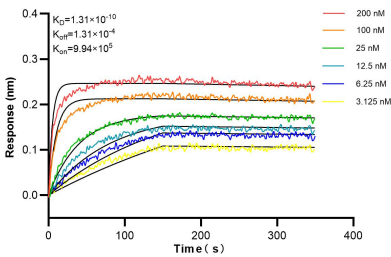
Selected Validation Data



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.



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.