

For Research Use Only

Synaptotagmin-5 Polyclonal antibody, PBS Only

Catalog Number: 18124-1-PBS



Basic Information

Catalog Number:

18124-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

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:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human

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.

Storage Buffer:

PBS only, pH7.3

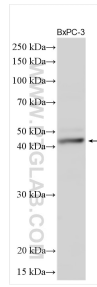
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

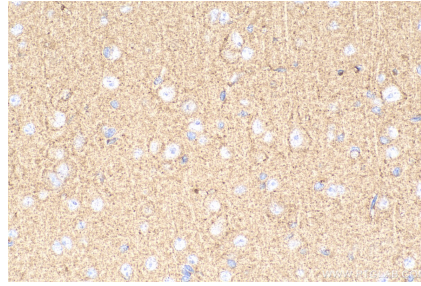
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

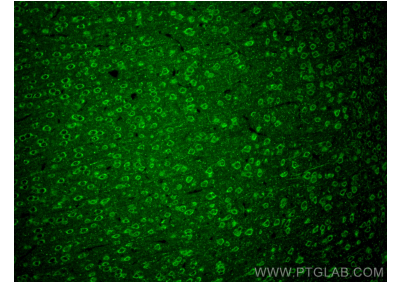
Selected Validation Data



BxPC-3 cells lysates were subjected to SDS PAGE followed by western blot with 18124-1-AP (Synaptotagmin-5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18124-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18124-1-AP (Synaptotagmin-5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18124-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using SYT5 antibody (18124-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18124-1-PBS in a different storage buffer formulation.