

For Research Use Only

Synaptotagmin-5 Polyclonal antibody, PBS Only

Catalog Number: 18124-1-PBS



Basic Information

Catalog Number: 18124-1-PBS	GenBank Accession Number: BC046157	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 6861	
Isotype: IgG	UNIPROT ID: O00445	
Immunogen Catalog Number: AG12677	Full Name: synaptotagmin V	
	Calculated MW: 43 kDa	
	Observed MW: 42 kDa	

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 Ca(2+) 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, pH7.3

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

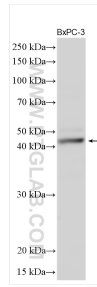
T: 4006900926

E: Proteintech-CN@ptglab.com

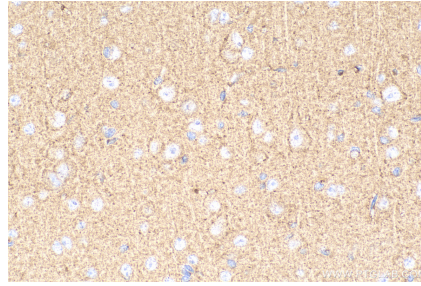
W: ptgcn.com

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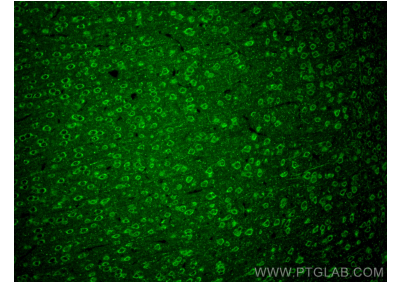
Selected Validation Data



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.