

For Research Use Only

Synaptotagmin-5 Polyclonal antibody

Catalog Number: 18124-1-AP



Basic Information

Catalog Number: 18124-1-AP	GenBank Accession Number: BC046157	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 6861	Recommended Dilutions: WB 1:500-1:2000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: O00445	
Isotype: IgG	Full Name: synaptotagmin V	
Immunogen Catalog Number: AG12677	Calculated MW: 43 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human	WB : BxPC-3 cells, IF-P : mouse brain tissue,

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

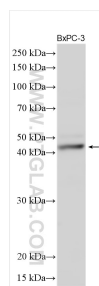
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

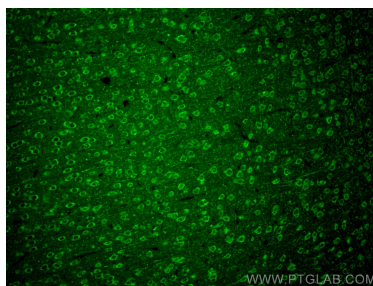
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



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).