

Synaptotagmin-3 Polyclonal antibody

Catalog Number: 28667-1-AP

Basic Information

Catalog Number: 28667-1-AP	GenBank Accession Number: BC028379	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 84258	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:500-1:2000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9BQG1	
Isotype: IgG	Full Name: synaptotagmin III	
Immunogen Catalog Number: AG30027	Calculated MW: 590 aa, 63 kDa Observed MW: 70-75 kDa	

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

IF-P : mouse brain 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-3 (SYT3) is highly expressed in brain, adipose tissue, and heart (PMID: 30545844). Synaptotagmin-3 is highly enriched in synaptic plasma membranes (PMID: 10373432). It has been reported that synaptotagmin-3 internalizes AMPA receptors to depress synaptic strength and promote forgetting (PMID: 30545844).

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

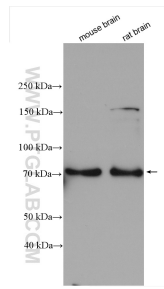
For technical support and original validation data for this product please contact:

T: 4006900926

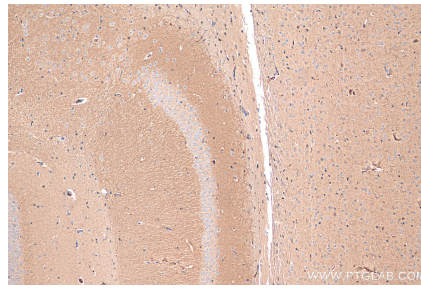
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

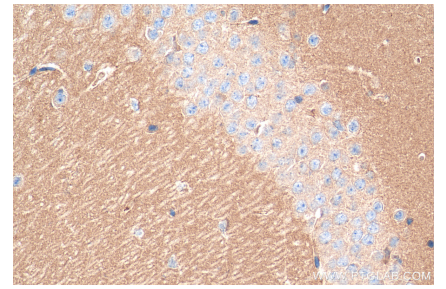
Selected Validation Data



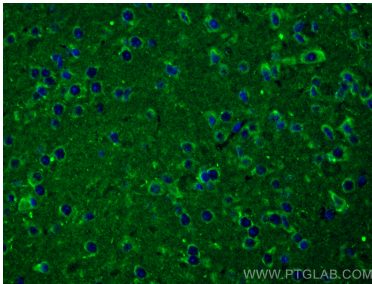
mouse brain tissue and rat brain tissue were subjected to SDS PAGE followed by western blot with 28667-1-AP (Synaptotagmin-3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28667-1-AP (Synaptotagmin-3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28667-1-AP (Synaptotagmin-3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Synaptotagmin-3 antibody (28667-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).