

For Research Use Only

Synaptophysin Recombinant antibody



Catalog Number: 82900-1-RR

Basic Information

Catalog Number: 82900-1-RR	GenBank Accession Number: BC064550	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6855	CloneNo.: 2H14
Source: Rabbit	UNIPROT ID: P08247	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG	Full Name: synaptophysin	
Immunogen Catalog Number: AG11781	Calculated MW: 313 aa, 34 kDa	
	Observed MW: 38-40 kDa	

Applications

Tested Applications:

IF, IHC, IP, 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 : PC-12 cells, human cerebellum tissue, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse pancreas tissue,

IF : U2OS cells,

Background Information

Synaptophysin (SYP, also known as major synaptic vesicle protein p38) is a 38-kDa integral membrane glycoprotein that regulates synaptic vesicle endocytosis. It is the most abundant synaptic vesicle protein by mass. Synaptophysin is present in neuroendocrine cells and neurons that participate in synaptic transmission. Synaptophysin is a useful marker for identification of neuroendocrine cells and neoplasms. (PMID: 3010302; 21658579)

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

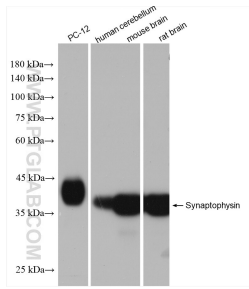
For technical support and original validation data for this product please contact:

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

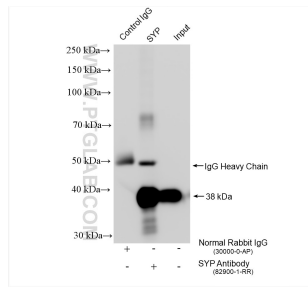
E: proteintech@ptglab.com
W: ptglab.com

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

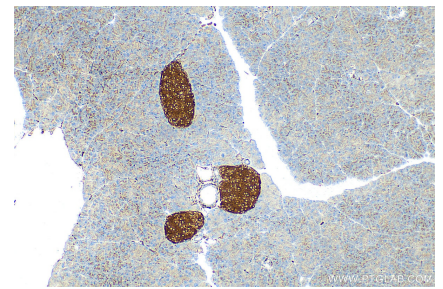
Selected Validation Data



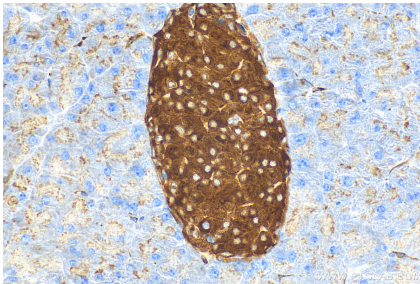
Various lysates were subjected to SDS PAGE followed by western blot with 82900-1-RR (Synaptophysin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



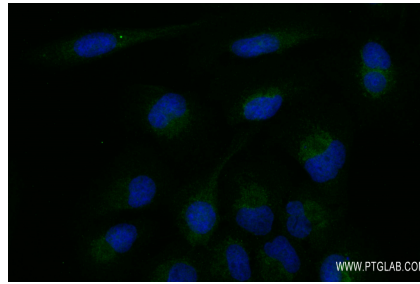
IP result of anti-Synaptophysin (IP:82900-1-RR, 4 μ g; Detection:82900-1-RR 1:5000) with mouse brain tissue lysate 1800 μ g.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 82900-1-RR (Synaptophysin 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 pancreas tissue slide using 82900-1-RR (Synaptophysin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using Synaptophysin antibody (82900-1-RR, Clone: 2H14) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).