## For Research Use Only

## Synaptophysin Polyclonal antibody Catalog Number: 17785-1-AP 240 Publications



Basic Information	Catalog Number: 17785-1-AP	GenBank Accession Number: BC064550 GeneID (NCBI): 6855 UNIPROT ID: P08247 Full Name: synaptophysin Calculated MW: 313 aa, 34 kDa Observed MW:		Purification Method: Antigen affinity purification Recommended Dilutions: WB: 1:20000-1:100000						
	Size:									
	150ul , Concentration: 500 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG11781									
				IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:1000-1:4000 IF-P: 1:50-1:500 IF/ICC: 1:10-1:100	o mg of total					
					38-40 kDa					
					Applications			Positive Cor	Controls:	
						WB, IHC, IF/ICC, IF-P, IP, ELISA Cited Applications:			WB: mouse brain tissue, PC-12 cells, rat brain tissue mouse cerebellum tissue, rat cerebellum tissue	
		WB, IHC, IF, IHC-IF				ouse brain tissue,				
Species Specificity: human, mouse, rat Cited Species: human, mouse, rat, canine, hamster		IHC : mouse pancreas tissue, mouse brain tissue, human brain tissue, ganglioma tissue, human pancreas tissue, neuroblastoma tissue, human pituitary adenoma tissue								
						Note-IHC: suggested antigen ( TE buffer pH 9.0; (*) Alternati retrieval may be performed w	vely, antigen		-P : mouse pancreas tissue, human lung cancer ssue, human gliomas tissue, mouse brain tissue	
						buffer pH 6.0		IF/ICC : PC-1	PC-12 cells,	
Background Information	Synaptophysin (SYP, also known as r that regulates synaptic vesicle endo	cytosis. It is the most	abundant synap	-		s. Synaptophy				
	marker for the identification of neuro reduced in brain tissue from patients	pendocrine cells and r	neoplasms. Syna			•				
	marker for the identification of neuro reduced in brain tissue from patients	pendocrine cells and r with Alzheimer's dis	neoplasms. Syna	0302; 21658579)	•					
	marker for the identification of neuror reduced in brain tissue from patients Author Pu	bendocrine cells and r with Alzheimer's dis	eoplasms. Syna ease.(PMID: 301	0302; 21658579)	maptophysin a					
	marker for the identification of neuror reduced in brain tissue from patients Author Pu Pengcheng Ma 36	bendocrine cells and r with Alzheimer's dis bmed ID Jou 179027 Sci	neoplasms. Syna ease.(PMID: 301 Irnal	0302; 21658579) A	naptophysin a pplication					
	marker for the identification of neuror reduced in brain tissue from patientsAuthorPutPengcheng Ma36Yang Fang33	bendocrine cells and r with Alzheimer's dis bmed ID Jou 179027 Sci 014035 New	eoplasms. Syna ease.(PMID: 301) Irnal Adv	0302; 21658579) Al W	naptophysin a pplication B B					
Notable Publications	marker for the identification of neuror reduced in brain tissue from patientsAuthorPutPengcheng Ma36Yang Fang33	bendocrine cells and r with Alzheimer's dis bmed ID Jou 179027 Sci 014035 Nei 193078 Ox	eoplasms. Syna ease.(PMID: 301) Irnal Adv ural Plast	0302; 21658579) Al W	naptophysin a pplication B					
Notable Publications Storage	marker for the identification of neuror reduced in brain tissue from patients Author Pu Pengcheng Ma 36 Yang Fang 33 Longjiao Tan 36 Storage: Stora t -20°C. Stable for one year af Storage Buffer:	bendocrine cells and r with Alzheimer's dis bmed ID Jou 179027 Sci 014035 Nei 193078 Ox ter shipment.	eoplasms. Syna ease.(PMID: 301) Irnal Adv ural Plast	0302; 21658579) Al W	naptophysin a pplication B B					

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17785-1-AP (Synaptophysin antibody) at dilution of 1:60000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 17785-1-AP (Synaptophysin antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse pancreas tissue using Synaptophysin antibody (17785-1-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).



Immunofluorescent analysis of PC-12 cells using 17785-1-AP (Synaptophysin antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-Synaptophysin (IP:17785-1-AP, 3ug; Detection:17785-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffinembedded mouse pancreas tissue slide using 17785-1-AP (Synaptophysin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse pancreas tissue slide using 17785-1-AP (Synaptophysin antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).