

For Research Use Only

# SYT7 Polyclonal antibody

Catalog Number: 19741-1-AP

1 Publications



## Basic Information

Catalog Number:

19741-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_004200

GeneID (NCBI):

9066

UNIPROT ID:

O43581

Full Name:

synaptotagmin VII

Calculated MW:

46 kDa

Observed MW:

42-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF-P 1:50-1:500

## Applications

Tested Applications:

WB, IF-P, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB : SH-SY5Y cells,

IF-P : mouse cerebellum tissue,

## Background Information

SYT7, also named PCANAP7 and IPCA-7, belongs to the synaptotagmin family. SYT7 may be involved in Ca<sup>2+</sup>-dependent exocytosis of secretory vesicles through Ca<sup>2+</sup> and phospholipid binding to the C2 domain or may serve as Ca<sup>2+</sup> sensors in the process of vesicular trafficking and exocytosis. SYT7 has 6 isoforms produced by alternative splicing, with molecular weights of 45, 50, 53, 58, 68, and 73 kDa, respectively (Uniport).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cheng Zhu	38830486	Brain Res Bull	IF

## 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

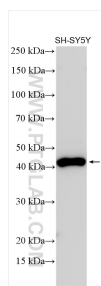
For technical support and original validation data for this product please contact:

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

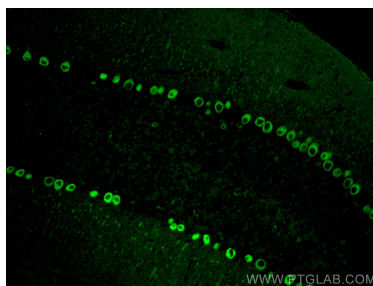
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 19741-1-AP (SYT7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using SYT7 antibody (19741-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).