

For Research Use Only

# SYT7 Polyclonal antibody, PBS Only

Catalog Number:19741-1-PBS



## Basic Information

Catalog Number:

19741-1-PBS

Size:

1 mg/ml

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

## Applications

Tested Applications:

WB, IF-P, Indirect ELISA

Species Specificity:

human, mouse

## 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).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

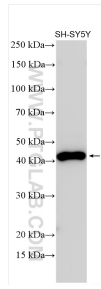
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

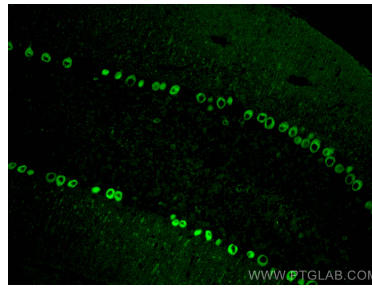
W: [ptgcn.com](http://ptgcn.com)

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## 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. This data was developed using the same antibody clone with 19741-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 19741-1-PBS in a different storage buffer formulation.