

For Research Use Only

SYT7 Polyclonal antibody

Catalog Number: 19741-1-AP

1 Publications



Basic Information

Catalog Number:

19741-1-AP

Size:

600 ug/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

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 Ca²⁺-dependent exocytosis of secretory vesicles through Ca²⁺ and phospholipid binding to the C2 domain or may serve as Ca²⁺ 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

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

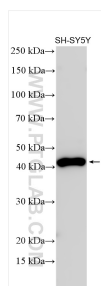
T: 4006900926

E: Proteintech-CN@ptglab.com

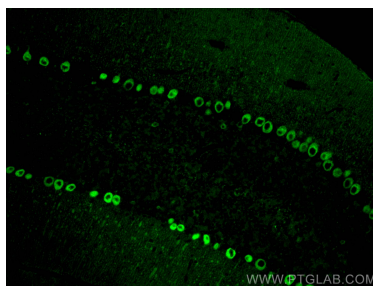
W: ptgcn.com

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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.



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).