For Research Use Only

SYT7 Polyclonal antibody, PBS Only

Catalog Number:19741-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
19741-1-PBS

Size:
100ug , Concentration: 1 mg/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

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 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).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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
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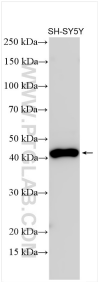
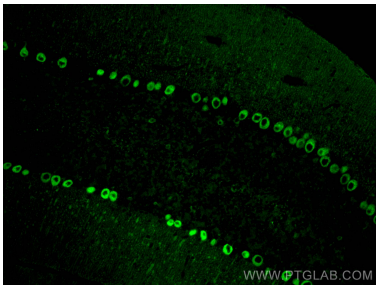
Selected Validation Data



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.