

For Research Use Only

SYT2 Polyclonal antibody

Catalog Number: 21245-1-AP



Basic Information

Catalog Number:

21245-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15744

GenBank Accession Number:

BC100815

GeneID (NCBI):

127833

UNIPROT ID:

Q8N9I0

Full Name:

synaptotagmin II

Calculated MW:

419 aa, 47 kDa

Observed MW:

70 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

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse cerebellum tissue, rat brain tissue, Neuro-2a cells

IF-P : mouse cerebellum tissue,

Background Information

SYT2 (Synaptotagmin-2) a synaptic vesicle membrane protein, functions as a calcium sensor in vesicular trafficking and exocytosis. SYT2 is also plays a role in dendrite formation by melanocytes (PMID: 23999003). Mutations in SYT2 are associated with myasthenic syndrome, presynaptic, congenital, with or without motor neuropathy. SYT2 mutations cause a complex presynaptic congenital myasthenic syndrome (PMID: 26519543).

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

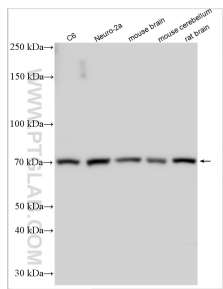
For technical support and original validation data for this product please contact:

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

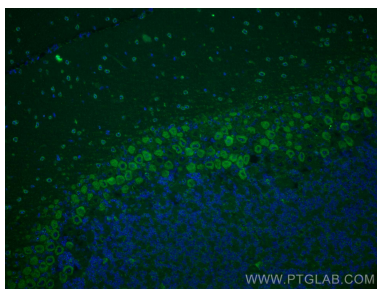
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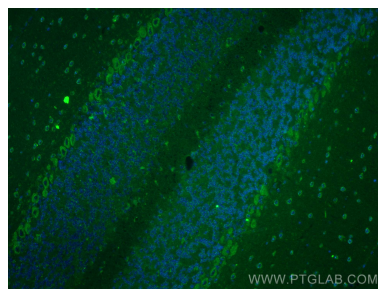
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21245-1-AP (SYT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using SYT2 antibody (21245-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



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