

For Research Use Only

SYT17 Polyclonal antibody

Catalog Number: 15413-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

15413-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7691

GenBank Accession Number:

BC004518

GeneID (NCBI):

51760

UNIPROT ID:

Q9BSW7

Full Name:

synaptotagmin XVII

Calculated MW:

54 kDa

Observed MW:

75-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human kidney tissue, A375 cells, human brain tissue, human testis tissue, mouse brain tissue, mouse lung tissue, PC-3 cells

IP : mouse brain tissue,

IHC : human brain tissue, human lung cancer tissue

IF/ICC : HepG2 cells,

Background Information

SYT17, or synaptotagmin 17, is a protein that belongs to the synaptotagmin family, which is known for its role in regulating exocytosis at the plasma membrane. Reports find high levels of expression in hippocampus, particularly in pyramidal cell layers and in cultured hippocampal neurons. SYT17 is thus a multifunctional regulator of intracellular protein trafficking in excitatory hippocampal neurons, modulating both neural development and synaptic physiology. (PMID: 31387992, PMID: 36332665)

Notable Publications

Author	Pubmed ID	Journal	Application
Yusuke Takada	32369831	Int Immunol	IHC,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

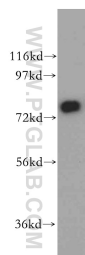
For technical support and original validation data for this product please contact:

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

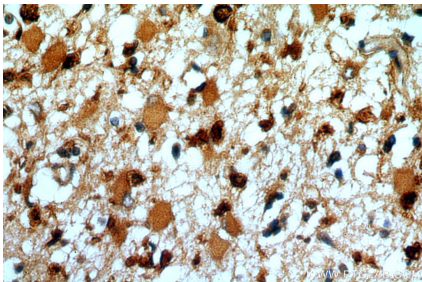
E: proteintech@ptglab.com
W: ptglab.com

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

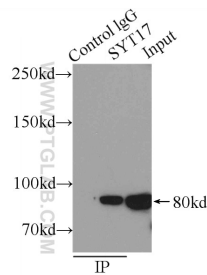
Selected Validation Data



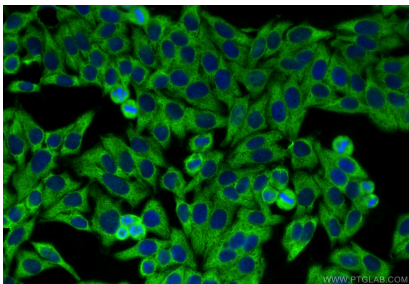
human kidney tissue were subjected to SDS PAGE followed by western blot with 15413-1-AP (SYT17 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 15413-1-AP (SYT17 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-SYT17 (IP:15413-1-AP, 4ug; Detection:15413-1-AP 1:800) with mouse brain tissue lysate 6000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SYT17 antibody (15413-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).