

For Research Use Only

Amphiphysin Polyclonal antibody

Catalog Number: 13379-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

13379-1-AP

Size:

313 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4204

GenBank Accession Number:

BC034376

GeneID (NCBI):

273

UNIPROT ID:

P49418

Full Name:

amphiphysin

Calculated MW:

695 aa, 76 kDa

Observed MW:

115-125 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : mouse brain tissue, mouse lung tissue

IP : mouse brain tissue,

IHC : mouse brain tissue, human pancreas cancer tissue, mouse cerebellum tissue

Background Information

Amphiphysin (AMPH), a synaptic vesicle-associated protein that is highly concentrated in nerve terminal, is an autoantigen of Stiff-Man syndrome with breast cancer. Amphiphysin contains a N-terminal BAR (Bin1/Amphiphysin/Rv167) domain followed by an endocytosis domain, and a C-terminal SH3 domain. Amphiphysin has been proposed to function as a linker between the clathrin coat and dynamin in the endocytosis of synaptic vesicles. It may also participate in mechanisms of regulated exocytosis in synapses and certain endocrine cell types. (PMID: 8552632; 8245793; 10559861)

Notable Publications

Author	Pubmed ID	Journal	Application
Xiuhua Shi	36239138	IUBMB Life	IHC
Yajun Chen	32476271	J Cell Mol Med	WB,IHC
Yinrui Guo	34045460	Transl Psychiatry	WB

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:

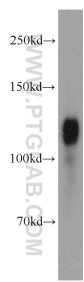
T: 4006900926

E: Proteintech-CN@ptglab.com

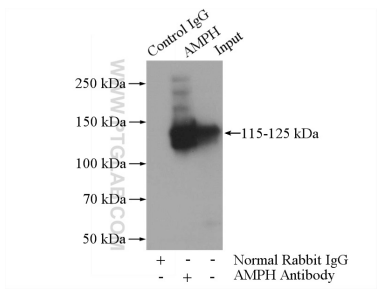
W: ptgcn.com

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

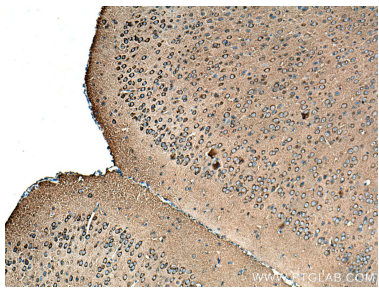
Selected Validation Data



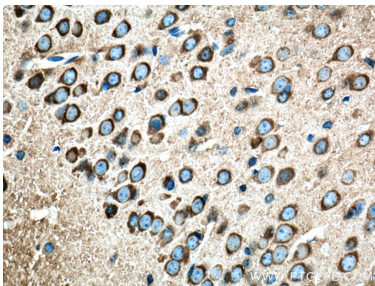
mouse brain tissue were subjected to SDS PAGE followed by western blot with 13379-1-AP (Amphiphysin antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-Amphiphysin (IP:13379-1-AP, 4ug; Detection:13379-1-AP 1:1500) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13379-1-AP (Amphiphysin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13379-1-AP (Amphiphysin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).