

For Research Use Only

Amphiphysin Polyclonal antibody

Catalog Number: 13379-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

13379-1-AP

Size:

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

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, 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

*** 20ul sizes contain 0.1% BSA

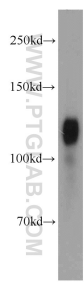
For technical support and original validation data for this product please contact:

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

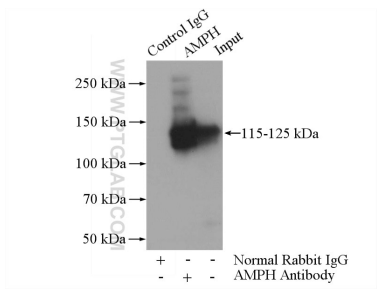
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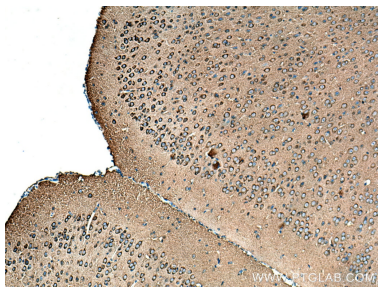
Selected Validation Data



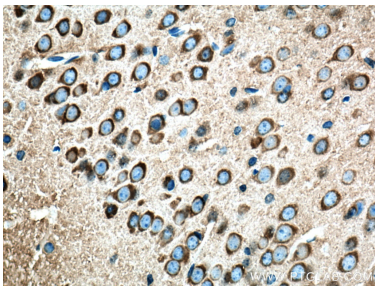
mouse brain tissue were subjected to SDS PAGE followed by western blot with 13379-1-AP (Amphiphysin antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).