

Amphiphysin Polyclonal Antibody

Catalog number: 13379-1-AP

Size: 47 µg/150 µl

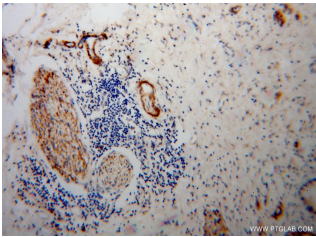
Source: Rabbit

Isotype: IgG

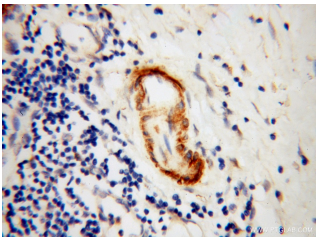
Synonyms:

AMPH; AMPH, AMPH1,

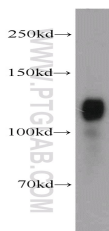
Amphiphysin



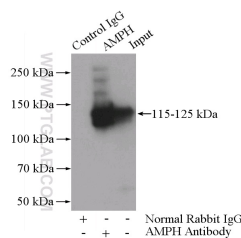
Immunohistochemical of paraffin-embedded human pancreas cancer using 13379-1-AP (AMPH antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human pancreas cancer using 13379-1-AP (AMPH antibody) at dilution of 1:100 (under 40x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13379-1-AP (AMPH antibody) at dilution of 1:1500



IP Result of anti-AMPH

(IP:13379-1-AP, 4ug;

Detection:13379-1-AP 1:1500)

Background

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)

Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated Amphiphysin MW:	695aa, 76 kDa
Observed Amphiphysin MW:	115-125 kDa
Positive WB detected in	Mouse brain tissue, mouse lung tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human pancreas cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4204
GenBank accession number:	BC034376
Gene ID (NCBI):	273
Full name:	Amphiphysin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

with mouse brain tissue lysate
4000ug.