

Acetylcholinesterase Polyclonal antibody

Catalog Number: 17975-1-AP

7 Publications

Basic Information

Catalog Number: 17975-1-AP	GenBank Accession Number: BC094752	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 167 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 43	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: acetylcholinesterase (Yt blood group)	
Isotype: IgG	Calculated MW: 614aa, 68 kDa; 640aa, 71 kDa	
Immunogen Catalog Number: AG12146	Observed MW: 66-72 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: mouse liver tissue, HEK-293 cells
Species Specificity: human, mouse, rat	IHC: human liver tissue,
Cited Species: rat, mouse	

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

Background Information

The classical role of acetylcholinesterase (AChE) is to terminate cholinergic neurotransmission by rapid hydrolysis of the neurotransmitter acetylcholine (ACh) at cholinergic synapses and neuromuscular junctions (PMID:20054652). AChE activity is significantly lower in aspirates from squamous cell carcinomas and the molecular distribution of AChE in both bronchial cells and fluids consisted of amphiphilic monomers and dimers (PMID:18211261). It has 4 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Yinrui Guo	34045460	Transl Psychiatry	WB
Yang Yang	34084135	Front Pharmacol	IHC
Xiao Wu	33795529	Aging (Albany NY)	WB

Storage

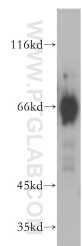
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

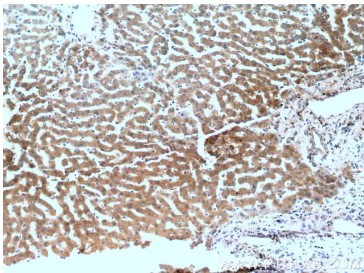
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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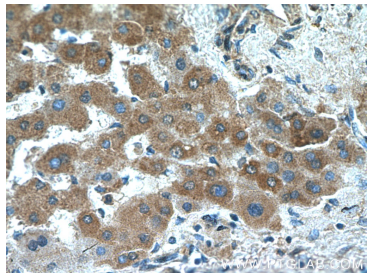
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 17975-1-AP (Acetylcholinesterase antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17975-1-AP (Acetylcholinesterase antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17975-1-AP (Acetylcholinesterase antibody at dilution of 1:200 (under 40x lens).