

For Research Use Only

AHCY Polyclonal antibody

Catalog Number: 10757-2-AP

Featured Product

24 Publications



Basic Information

Catalog Number: 10757-2-AP	GenBank Accession Number: BC011606	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 191	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:20-1:200
Source: Rabbit	Full Name: S-adenosylhomocysteine hydrolase	
Isotype: IgG	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG1208	Observed MW: 45-48 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, IP, WB	WB : COLO 320 cells, HepG2 cells, mouse liver tissue, HeLa cells, Jurkat cells, rat liver tissue
Species Specificity: human, mouse, rat	IHC : human breast cancer tissue,
Cited Species: human, rat, mouse, Branchiostoma belcheri, pig	
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

AHCY, also named as SAHH, belongs to the adenosylhomocysteinase family. AHCY is a competitive inhibitor of S-adenosyl-L-methionine-dependent methyl transferase reactions; therefore AHCY may play a key role in the control of methylations via regulation of the intracellular concentration of adenosylhomocysteine. AHCY catalyzes the reversible hydrolysis of S-adenosylhomocysteine to adenosine and L-homocysteine.(PMID:21220475).

Notable Publications

Author	Pubmed ID	Journal	Application
Ye Fu	36098921	Environ Sci Pollut Res Int	WB,IF
Joel H Vazquez	31651977	Toxicol Sci	WB
T Zhong	27775072	Oncogene	WB

Storage

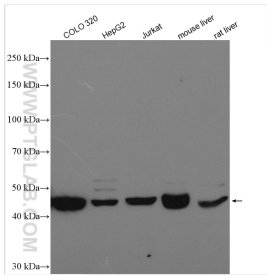
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

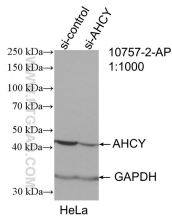
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

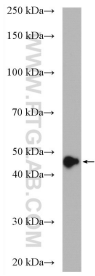
Selected Validation Data



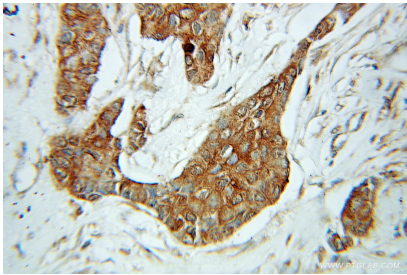
Various lysates were subjected to SDS PAGE followed by western blot with 10757-2-AP (AHCY antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of AHCY antibody (10757-2-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AHCY transfected HeLa cells.



mouse liver tissue were subjected to SDS PAGE followed by western blot with 10757-2-AP (AHCY antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10757-2-AP (AHCY antibody) at dilution of 1:100 (under 10x lens).