

For Research Use Only

AHCY Polyclonal antibody

Catalog Number:10757-2-AP

Featured Product

25 Publications



Basic Information

Catalog Number:

10757-2-AP

Size:

150ul , Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1208

GenBank Accession Number:

BC011606

GeneID (NCBI):

191

UNIPROT ID:

P23526

Full Name:

S-adenosylhomocysteine hydrolase

Calculated MW:

48 kDa

Observed MW:

45-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, branchiostoma belcheri

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 : COLO 320 cells, HepG2 cells, mouse liver tissue, HeLa cells, Jurkat cells, rat liver tissue

IHC : human colon cancer tissue,

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

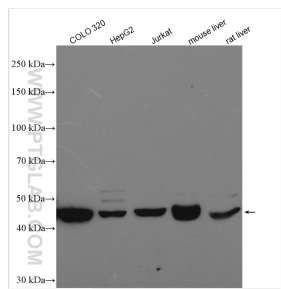
For technical support and original validation data for this product please contact:

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

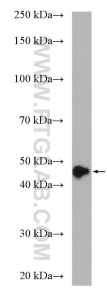
E: proteintech@ptglab.com
W: ptglab.com

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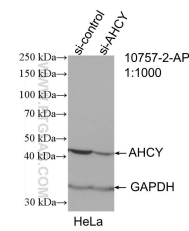
Selected Validation Data



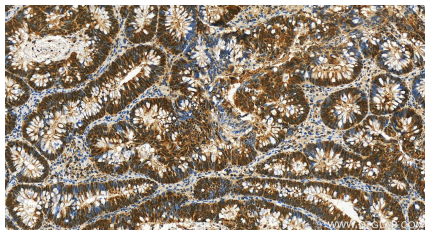
Various lysates were subjected to SDS PAGE followed by western blot with 10757-2-AP (AHCY antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.



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.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10757-2-AP (AHCY antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).