

For Research Use Only

AHCY Polyclonal antibody

Catalog Number:10757-2-AP

Featured Product

25 Publications



Basic Information

Catalog Number:

10757-2-AP

Size:

550 ug/ml

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

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

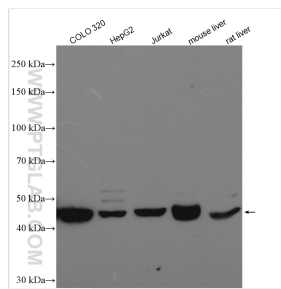
T: 4006900926

E: Proteintech-CN@ptglab.com

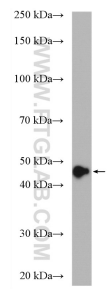
W: ptgcn.com

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

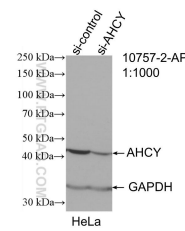
Selected Validation Data



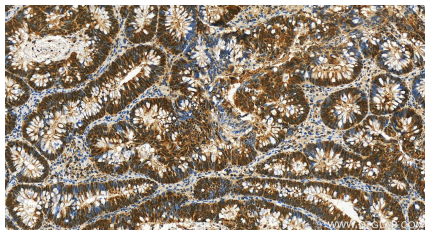
Various lysates were subjected to SDS PAGE followed by western blot with 10757-2-AP (AHCY antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).