

For Research Use Only

AHCY Monoclonal antibody

Catalog Number: 66019-1-Ig **1 Publications**



Basic Information

Catalog Number: 66019-1-Ig	GenBank Accession Number: BC011606	Purification Method: Protein A purification
Size: 150ul , Concentration: 2900 ug/ml by 191 Nanodrop and 1300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): UNIPROT ID: P23526	CloneNo.: 1F9B10
Source: Mouse	Full Name: S-adenosylhomocysteine hydrolase	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:2000-1:8000
Isotype: IgG2b	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG18036	Observed MW: 48 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : LNCaP cells, HeLa cells, human testis tissue, L02 cells, MCF-7 cells, HepG2 cells
Species Specificity: human	IHC : human colon cancer tissue, human placenta tissue, human testis tissue
Cited Species: human	IF/ICC : HeLa cells,
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
Yankun Wang	35974250	Cell Death Differ	WB

Storage

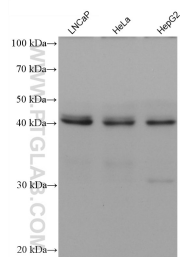
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

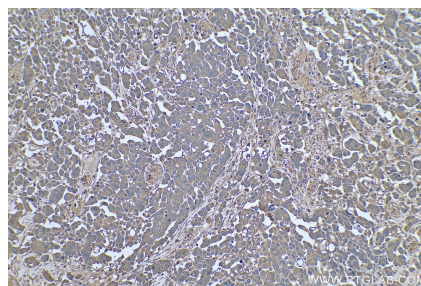
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

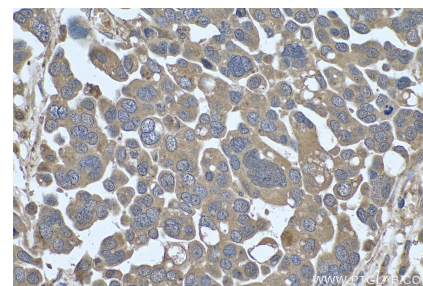
Selected Validation Data



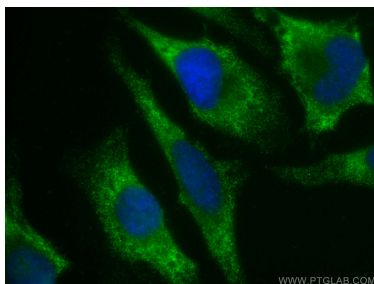
Various lysates were subjected to SDS PAGE followed by western blot with 66019-1-Ig (AHCY antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66019-1-Ig (AHCY antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66019-1-Ig (AHCY antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using AHCY antibody (66019-1-Ig, Clone: 1F9B10) at dilution of 1:4000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).