

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: 1000 µg/ml	GeneID (NCBI): 191	CloneNo.: 1F9B10
Source: Mouse	UNIPROT ID: P23526	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:2000-1:8000
Isotype: IgG2b	Full Name: S-adenosylhomocysteine hydrolase	
Immunogen Catalog Number: AG18036	Calculated MW: 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, IF/ICC, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

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 : LNCaP cells, HeLa cells, human testis tissue, L02 cells, MCF-7 cells, HepG2 cells

IHC : human colon cancer tissue, human placenta tissue, human testis tissue

IF/ICC : HeLa cells,

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

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

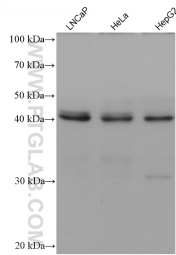
T: 4006900926

E: Proteintech-CN@ptglab.com

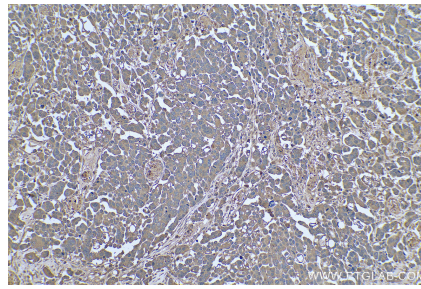
W: ptgcn.com

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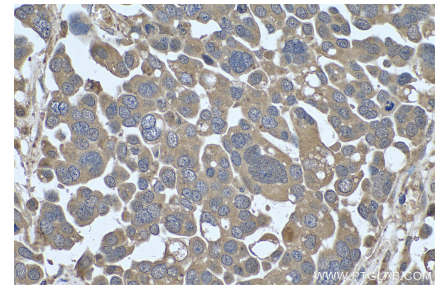
Selected Validation Data



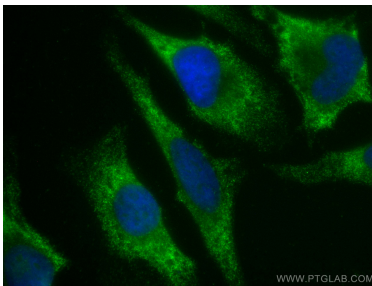
Various lysates were subjected to SDS PAGE followed by western blot with 66019-1-Ig (AHCY antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L).