

## AHCY Monoclonal antibody

Catalog Number: 66019-1-Ig 1 Publications

## Basic Information

<b>Catalog Number:</b> 66019-1-Ig	<b>GenBank Accession Number:</b> BC011606	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2900 µg/ml by 191 Nanodrop and 1300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5-adenosylhomocysteine hydrolase	<b>CloneNo.:</b> 1F9B10
<b>Source:</b> Mouse	<b>Full Name:</b> S-adenosylhomocysteine hydrolase	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 48 kDa	
<b>Immunogen Catalog Number:</b> AG18036	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, human testis tissue, L02 cells, MCF-7 cells
<b>Species Specificity:</b> human	<b>IHC :</b> human testis tissue, human placenta tissue
<b>Cited Species:</b> human	<b>IF :</b> 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

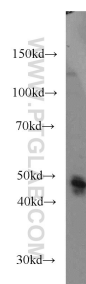
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

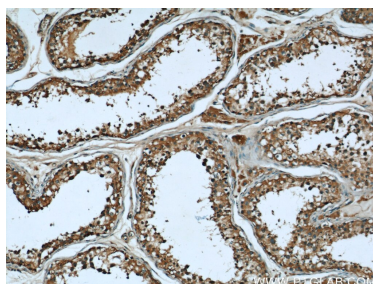
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
 E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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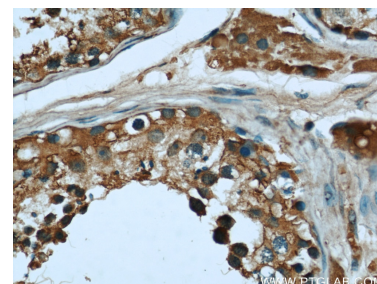
## Selected Validation Data



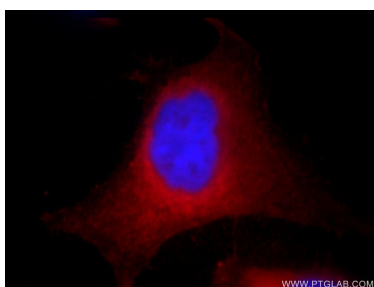
HeLa cells were subjected to SDS PAGE followed by western blot with 66019-1-Ig (AHCY antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 66019-1-Ig(AHCY antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 66019-1-Ig(AHCY antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using AHCY antibody 66019-1-Ig at 1:25 dilution and Rhodamine-labeled goat anti-mouse IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).