

For Research Use Only

AHCY Monoclonal ANTIBODY



Catalog Number: 66019-1-Ig

Basic Information

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

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

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

IHC: human testis tissue, human placenta tissue

IF: 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).

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

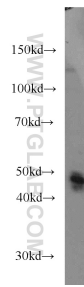
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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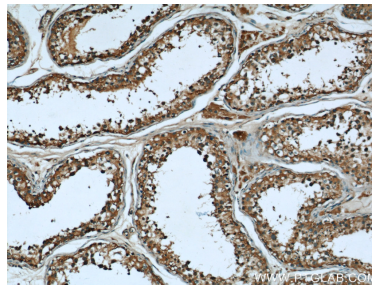
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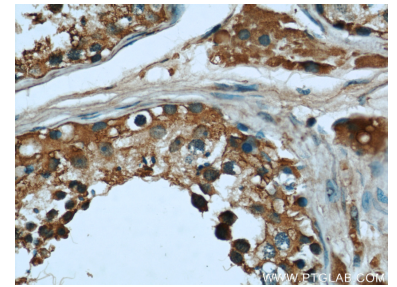
Selected Validation Data



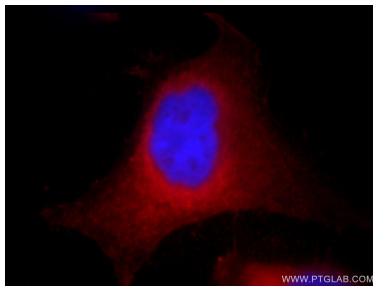
HeLa cells were subjected to SDS PAGE followed by western blot with 66019-1-Ig (AHCY antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).