

AHCY Antibody(Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2030a**Specification**

AHCY Antibody(Ascites) - Product Information

Application	WB,E
Primary Accession	P23526
Other Accession	O710C4 , O4R596 , Q3MHL4 , NP_000678.1 , NP_001155238.1
Reactivity	Human, Mouse
Predicted	Bovine, Monkey, Pig
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Antigen Region	79-110

AHCY Antibody(Ascites) - Additional Information**Gene ID** 191**Other Names**

Adenosylhomocysteinase, AdoHcyase, S-adenosyl-L-homocysteine hydrolase, AHCY, SAHH

Target/Specificity

This AHCY antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 79-110 amino acids from human AHCY.

Dilution

WB~~1:1000~8000

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AHCY Antibody(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

AHCY Antibody(Ascites) - Protein Information**Name** AHCY**Synonyms** SAHH

Function Catalyzes the hydrolysis of S-adenosyl-L-homocysteine to form adenosine and homocysteine (PubMed:[10933798](#)). Binds copper ions (By similarity).

Cellular Location

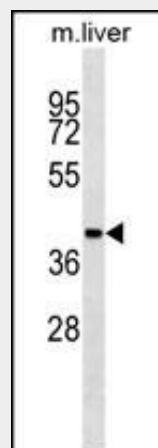
Cytoplasm. Melanosome. Nucleus. Endoplasmic reticulum. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

AHCY Antibody(Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AHCY Antibody(Ascites) - Images



AHCY Antibody (Cat. #AM2030a) western blot analysis in mouse liver tissue lysates (35µg/lane). This demonstrates the AHCY antibody detected the AHCY protein (arrow).

AHCY Antibody(Ascites) - Background

S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. It catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). Thus, it regulates the intracellular S-adenosylhomocysteine (SAH) concentration thought to be important for transmethylation reactions. Deficiency in this protein is one of the different causes of hypermethioninemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

AHCY Antibody(Ascites) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)

Gass, N., et al. J Affect Disord 126 (1-2), 134-139 (2010) :
Giusti, B., et al. Thromb. Haemost. 104(2):231-242(2010)
Levine, A.J., et al. Cancer Epidemiol. Biomarkers Prev. 19(7):1812-1821(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :