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AHCY Antibody(Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2030a

Specification

AHCY Antibody(Ascites) - Product Information

Application	**WB,E**
Primary Accession	P23526
Other Accession	Q710C4, Q4R596, 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).

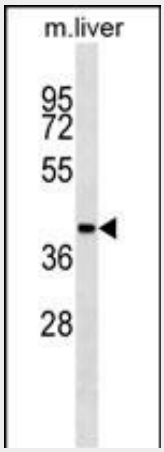
Cellular Location
Cytoplasm. Melanosome. Nucleus. Endoplasmic reticulum. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

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 Cytomety
- 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)
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Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :