

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

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**AHCY Antibody(Ascites) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P23526</a>
Other Accession	<a href="#">O710C4</a> , <a href="#">O4R596</a> , <a href="#">Q3MHL4</a> , <a href="#">NP_000678.1</a> , <a href="#">NP_001155238.1</a>
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**

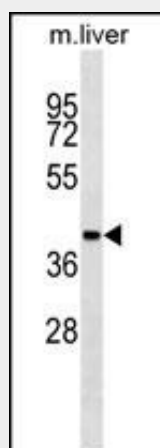
Cytoplasm. Melanosome. Nucleus. Endoplasmic reticulum. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

#### **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) :