

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

**Specification**

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

|                         |                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Application             | WB,E                                                                                                                                             |
| Primary Accession       | <a href="#">P23526</a>                                                                                                                           |
| Other Accession         | <a href="#">Q710C4</a> , <a href="#">Q4R596</a> ,<br><a href="#">Q3MHL4</a> ,<br><a href="#">NP_000678.1</a> ,<br><a href="#">NP_001155238.1</a> |
| Reactivity<br>Predicted | Human, Mouse<br>Bovine, Monkey,<br>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**

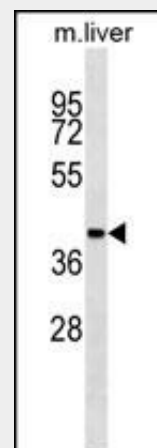
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

**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



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) :

only and not for use in diagnostic or therapeutic procedures.

#### **AHCY Antibody(Ascites) - Protein Information**

**Name** AHCY

**Synonyms** SAHH

#### **Function**

Adenosylhomocysteine is a competitive inhibitor of S-adenosyl-L-methionine-dependent methyl transferase reactions; therefore adenosylhomocysteinase may play a key role in the control of methylations via regulation of the intracellular concentration of adenosylhomocysteine.

#### **Cellular Location**

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

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) :

#### **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](#)