

**AHCY Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11201a**

**Specification**

**AHCY Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [P23526](#)

**AHCY Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID 191**

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**AHCY Antibody (N-term) Blocking peptide - Protein Information**

**Name** AHCY

**Synonyms** SAHH

**Function**

Catalyzes the hydrolysis of S-adenosyl-L-homocysteine to form adenosine and homocysteine (PubMed:<a href="http://www.uniprot.org/citations/10933798" target="\_blank">10933798</a>). 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 (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**AHCY Antibody (N-term) Blocking peptide - Images**

**AHCY Antibody (N-term) Blocking peptide - 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 (N-term) Blocking peptide - 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) :