

AHCY Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11201a

Specification

AHCY Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P23526
Other Accession	O710C4 , O4R596 , O3MHL4 , NP_000678
Reactivity	Mouse
Predicted	Bovine, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47716
Antigen Region	79-110

AHCY Antibody (N-term) - Additional Information

Gene ID 191

Other Names

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

Target/Specificity

This AHCY antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-110 amino acids from the N-terminal region of human AHCY.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AHCY Antibody (N-term) - 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

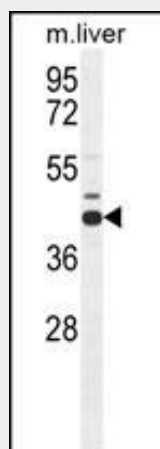
Cytoplasm. Melanosome. Nucleus. Endoplasmic reticulum. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

AHCY Antibody (N-term) - Protocols

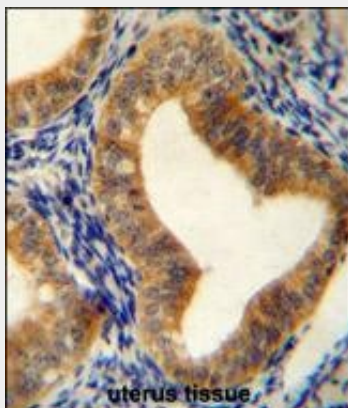
Provided below are standard protocols that you may find useful for product applications.

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

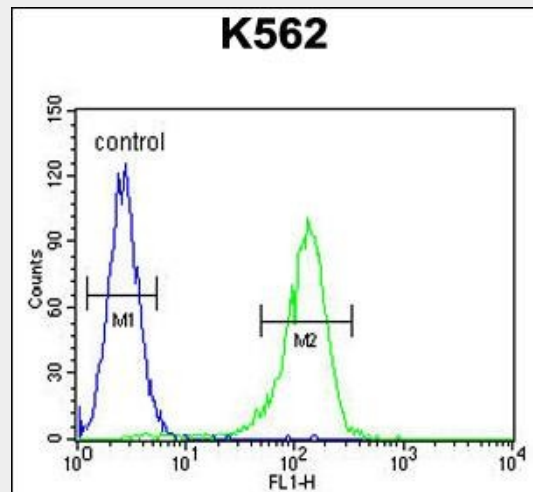
AHCY Antibody (N-term) - Images



AHCY Antibody (N-term) (Cat. #AP11201a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the AHCY antibody detected the AHCY protein (arrow).



AHCY Antibody (N-term) (Cat. #AP11201a) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of AHCY Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



AHCY Antibody (N-term) (Cat. #AP11201a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

AHCY Antibody (N-term) - 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) - 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) :