

Datasheet for ABIN950286  
**anti-AHCY antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	0.4 mL
Target:	AHCY
Binding Specificity:	AA 86-118, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHCY antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 86-118 amino acids from the N-terminal region of human AHCY
Isotype:	Ig Fraction
Specificity:	This antibody reacts to AdoHcyase.
Cross-Reactivity (Details):	Species reactivity (tested):Mouse.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

## Target Details

Target:	AHCY
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## Target Details

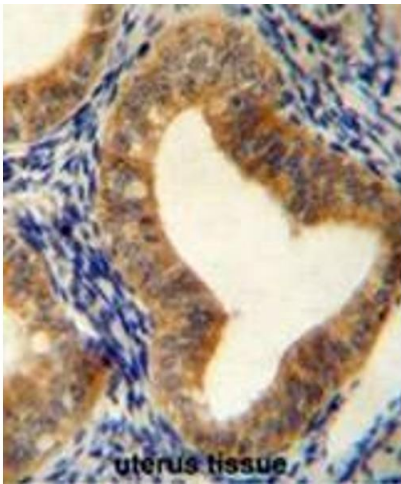
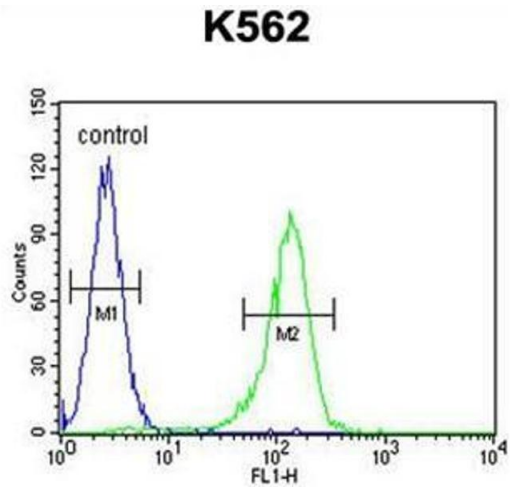
Alternative Name:	AdoHcyase (AHCY) ( <a href="#">AHCY Products</a> )
Background:	<p>S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. It catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). Thus, it regulates 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.Synonyms:</p> <p>Adenosylhomocysteinase, S-adenosyl-L-homocysteine hydrolase, SAHH</p>
Gene ID:	191
NCBI Accession:	<a href="#">NP_000678</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



### Flow Cytometry

**Image 1.** AHCY Antibody (N-term) 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.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** AHCY Antibody (N-term) 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.

### Western Blotting

**Image 3.** AHCY Antibody (N-term) western blot analysis in mouse liver tissue lysates (35 µg/lane).This demonstrates the AHCY antibody detected the AHCY protein (arrow).