

Datasheet for ABIN655151
anti-AHCY antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	AHCY
Binding Specificity:	AA 79-110, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHCY antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB14650
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, Pig
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	AHCY
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Target Details

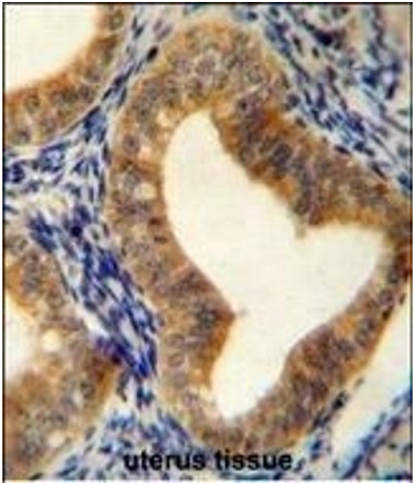
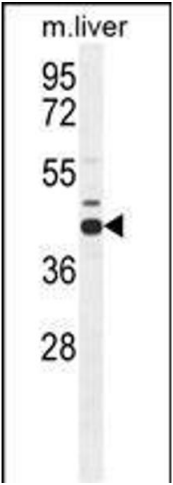
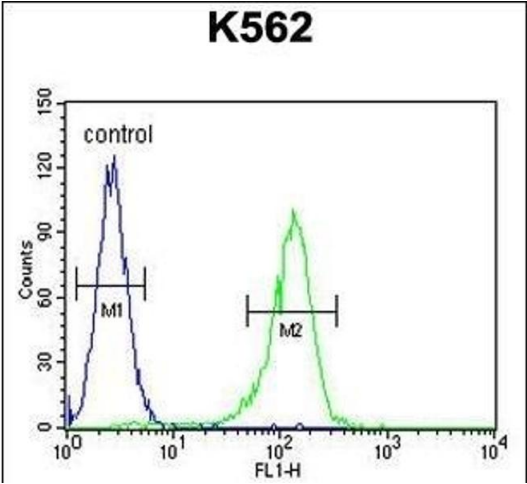
Alternative Name:	AHCY (AHCY Products)
Background:	S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. It catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). Thus, it regulates the intracellular S-adenosylhomocysteine (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.
Molecular Weight:	47716
Gene ID:	191
NCBI Accession:	NP_000678 , NP_001155238
UniProt:	P23526

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. AHCY Antibody (N-term) (ABIN655151 and ABIN2844771) 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.

Western Blotting

Image 2. AHCY Antibody (N-term) (ABIN655151 and ABIN2844771) western blot analysis in mouse liver tissue lysates (35 µg/lane). This demonstrates the AHCY antibody detected the AHCY protein (arrow).

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. AHCY Antibody (N-term) (ABIN655151 and ABIN2844771) 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.