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Product datasheet for AP50117PU-N

S adenosylhomocysteine hydrolase (AHCY) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western blotting:** 1/50 - 1/100. **Immunohistochemistry:** 1/50 - 1/100. **Flow Cytometry:** 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 86-118 amino acids from the N-terminal region of human AHCY
Specificity:	This antibody reacts to AdoHcyase.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	adenosylhomocysteinase
Database Link:	Entrez Gene 269378 MouseEntrez Gene 191 Human P23526

View online »

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.

Synonyms: Adenosylhomocysteinase, SAHH

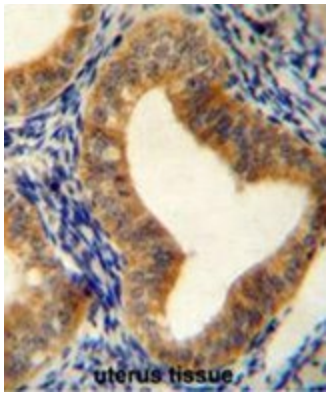
Note: **Molecular Weight:** 47716 Da

Protein Families: Druggable Genome

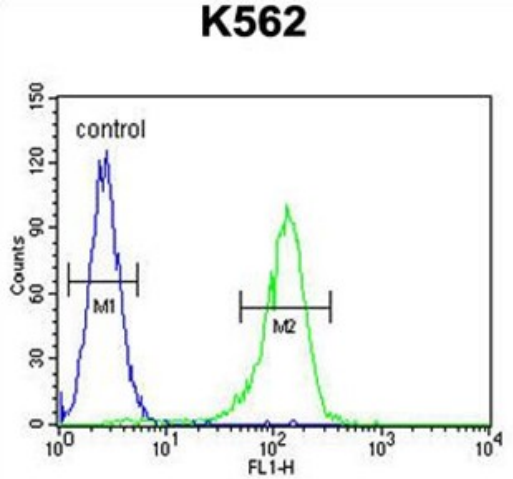
Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism

Product images:

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



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.



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.