Datasheet for ABIN2784617

anti-AHCY antibody (N-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	AHCY
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Horse, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHCY antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AHCY
Sequence:	SDKLPYKVAD IGLAAWGRKA LDIAENEMPG LMRMRERYSA SKPLKGARIA
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 86%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against AHCY. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	AHCY

Target Details

Alternative Name:	AHCY (AHCY Products)
Background:	S-adenosylhomocysteine hydrolase 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. S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family.S-adenosylhomocysteine hydrolase 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. S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: SAHH Protein Interaction Partner: ANKRD40, C1orf50, APPBP2, HUWE1, UBC, FUS, AHCY, SUMO2, SUMO3, SUMO1, NEDD8, ASB16, MSN, MC1R, HK1, HEXA, HDGF, FH, EEF1A2, DHX15, CAPZB, ATIC, ACAT2, H2AFV, NSFL1C, OGFOD1, PAPSS1, UBA3, TBCE, PYGL, HECW2, FBXO6, YWHAQ, gag-pol, PXN, DAB2, ATF2, TRAF3IP1 Protein Size: 432
Molecular Weight:	48 kDa
Gene ID:	191
NCBI Accession:	NM_000687, NP_000678
UniProt:	P23526

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 432 AA
Restrictions:	For Research Use only

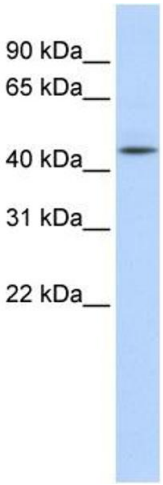
Handling

Format:	Liquid

Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-AHCY Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Human Liver