abcam

Product datasheet

Anti-S adenosylhomocysteine hydrolase antibody - Aminoterminal end ab56146

1 Image

Overview

Product name	Anti-S adenosylhomocysteine hydrolase antibody - Aminoterminal end
Description	Rabbit polyclonal to S adenosylhomocysteine hydrolase - Aminoterminal end
Host species	Rabbit
Tested applications	**Suitable for:** WB, ELISA
Species reactivity	**Reacts with:** Recombinant fragment **Predicted to work with:** Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to N terminal residues of human Adenosylhomocysteine hydrolase

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium Azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab56146** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 48 kDa. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

Function
Adenosylhomocysteine is a competitive inhibitor of S-adenosyl-L-methionine-dependent methyl transferase reactions; therefore adenosylhomocysteinase may play a key role in the control of methylations via regulation of the intracellular concentration of adenosylhomocysteine.

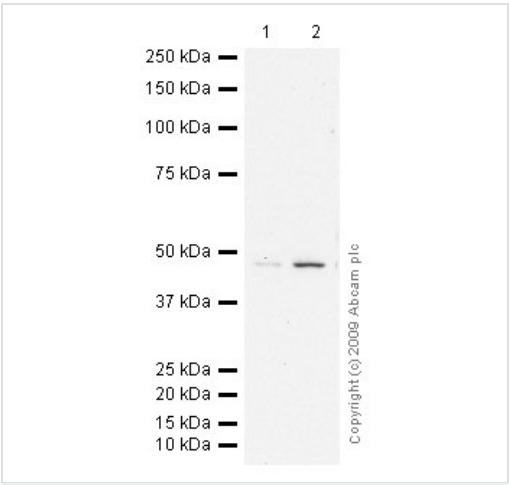
Pathway
Amino-acid biosynthesis; L-homocysteine biosynthesis; L-homocysteine from S-adenosyl-L-homocysteine: step 1/1.

Involvement in disease
Defects in AHCY are the cause of hypermethioninemia with S-adenosylhomocysteine hydrolase deficiency (HMAHCHD) [MIM:613752]. A metabolic disorder characterized by hypermethioninemia associated with failure to thrive, mental and motor retardation, facial dysmorphism with abnormal hair and teeth, and myocardiopathy.

Sequence similarities
Belongs to the adenosylhomocysteinase family.

Cellular localization
Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



Western blot - Anti-S adenosylhomocysteine hydrolase antibody - Aminoterminal end (ab56146)

All lanes : Anti-S adenosylhomocysteine hydrolase antibody - Aminoterminal end (ab56146) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 2 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 48 kDa
Observed band size: 48 kDa

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