



Anti-AHCY (full length) polyclonal antibody (DPAB-DC811)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	AHCY (AAH11606, 1 a.a. ~ 432 a.a) full-length recombinant protein with GST tag. The sequence is MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYASASKPLKGARIAGCLHMTVET AVLIETLVTLGAEVQWSSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYF KDGPLNMILDDGGDLTNLIHTKHPQLLPGIRGISEETTTGVHNLYKMMANGILKVPAINV NDSVTKSKFDNLYGCRESLIDGIKRTDVMIAGKVAVVAGYGDVGKGCAQALRGFGARVI ITEIDPINALQAAMEGYEVTMDEACQEGNIFVTTTGCIDIILGRHFEQMKDDAIVCNIG HFDVEIDVKWLNENAVEKVNIPQVDYRLKNGRRIILAEGRVLNLGCAMGHPSFVMSN SFTNQVMAQIELWTHPDKYPVGVHFLPKKLDEAVAEHLGKLN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	AHCY adenosylhomocysteinase [Homo sapiens (human)]
Official Symbol	AHCY
Synonyms	AHCY; adenosylhomocysteinase; SAHH; adoHcyase; S-adenosylhomocysteine hydrolase; S-adenosyl-L-homocysteine hydrolase;
Entrez Gene ID	191
Protein Refseq	NP_000678
UniProt ID	P23526
Chromosome Location	20q11.22
Pathway	Biological oxidations; Cysteine and methionine metabolism; Metabolism; Methionine degradation
Function	adenosylhomocysteinase activity;