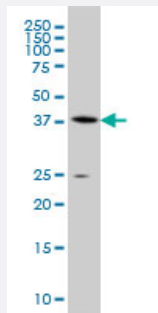


AHCY monoclonal antibody (M07A), clone 4H2

Catalog # H00000191-M07A

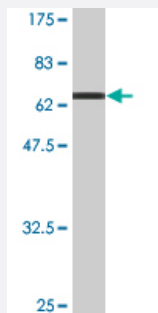
Size 200 uL

Applications



Western Blot (Cell lysate)

AHCY monoclonal antibody (M07A), clone 4H2 Western Blot analysis of AHCY expression in A-549 (Cat # L025V1).



Western Blot detection against Immunogen (73.26 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant AHCY.

Immunogen

AHCY (AAH11606, 1 a.a. ~ 432 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYASASKPLKGARIAGCLHMTVETAVLIE
TLVTLGAEVQWSSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDD
GGDLTNLIHTKHPQLPGIRGISEETTTGVHNLKMMANGILKVPAINVDSVTKSKFDNLYGCRESL
IDGKRA TDVMIAGKVAVVAGYGDVGKGCQAALRGFGARVITEIDPINALQAAMEGYEVTMTDEAC
QEGNIFVTTTGCIDILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIKPQVDRYRLKNGR
RIILLAEGR LVNLGCAMGHPSFVMSNSFTNQVMAQIELWTHPDKYPVG VHF LPPKKLDEAVAE AHL
GKLN VKLTKLTEKQAQYLGMSCDGPFPDHYRY

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.26 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

AHCY monoclonal antibody (M07A), clone 4H2 Western Blot analysis of AHCY expression in A-549 (Cat # L025V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — AHCY

Entrez GeneID	191
GeneBank Accession#	BC011606
Protein Accession#	AAH11606
Gene Name	AHCY
Gene Alias	SAHH
Gene Description	S-adenosylhomocysteine hydrolase
Omim ID	180960

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000030684|adenosylhomocysteinase

Publication Reference

- [S-adenosylhomocysteine hydrolase over-expression does not alter S-adenosylmethionine or S-adenosylhomocysteine levels in CBS deficient mice.](#)

Lee HO, Wang L, Kuo YM, Andrews AJ, Gupta S, Kruger WD.

Molecular Genetics and Metabolism Reports 2018 Jan; 15:15.

Application: WB, Mouse, Mouse livers

- [Identification and pharmacological inactivation of the MYCN gene network as a therapeutic strategy for neuroblastic tumour cells.](#)

Chayka O, D'Acunto CW, Middleton O, Arab M, Sala A.

The Journal of Biological Chemistry 2015 Jan; 290(4):2198.

Application: WB-Ce, Human, SK-N-AS, SH-SY5Y, IMR-32, SK-N-BE(2), LA-N-1, NB19, GIM-EN, SMS-KCNR cells

- [S-Adenosyl Homocysteine Hydrolase \(SAHH\) is required for Myc-induced mRNA cap methylation, protein synthesis and cell proliferation.](#)

Fernandez-Sanchez ME, Gonatopoulos-Pourmatzis T, Preston G, Lawlor MA, Cowling VH.

Molecular and Cellular Biology 2009 Dec; 29(23):6182.

Application: WB-Ce, WB-Tr, Human, Mouse, Rat, IMEC, MEFs, P493-6, Rat1A, T cells

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)

Disease

- [Aortic Aneurysm](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Hyperhomocysteinemia](#)
- [Microsatellite Instability](#)
- [Sleep Disorders](#)
- [Sleep Initiation and Maintenance Disorders](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Tooth Abnormalities](#)
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