

CTH Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CTH.

Catalog # AT1667a

Product Information

Application	WB, E
Primary Accession	P32929
Other Accession	BC015807
Reactivity	Human, Guinea Pig
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4E1-1B7
Calculated MW	44508

Additional Information

Gene ID	1491
Other Names	Cystathionine gamma-lyase, Cysteine-protein sulfhydrase, Gamma-cystathionase, CTH
Target/Specificity	CTH (AAH15807, 1 a.a. ~ 405 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CTH Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

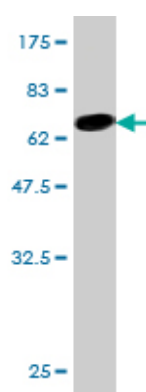
This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathione derived from methionine into cysteine. Glutathione synthesis in the liver is dependent upon the availability of cysteine. Mutations in this gene cause cystathioninuria. Alternative splicing of this gene results in three transcript variants encoding different isoforms.

References

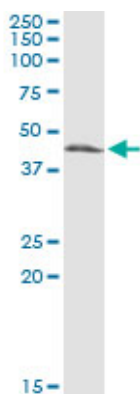
1. Statins upregulate cystathionine γ -lyase transcription and H₂S generation via activating Akt signaling in macrophage. Xu Y, Du HP, Li J, Xu R, Wang YL, You SJ, Liu H, Wang F, Cao YJ, Liu CF, Hu LF. Pharmacol Res. 2014

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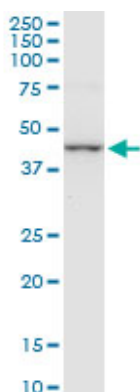
Images



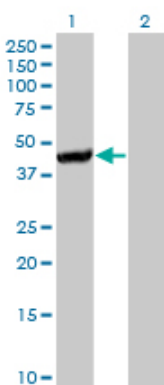
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (70.07 KDa) .



CTH monoclonal antibody (M01), clone 4E1-1B7. Western Blot analysis of CTH expression in human liver.

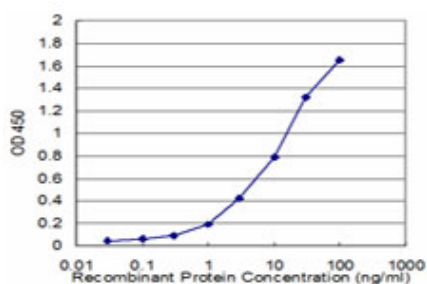


CTH monoclonal antibody (M01), clone 4E1-1B7. Western Blot analysis of CTH expression in Hela S3 NE.



Western Blot analysis of CTH expression in transfected 293T cell line by CTH monoclonal antibody (M01), clone 4E1-1B7.

Lane 1: CTH transfected lysate (Predicted MW: 44.5 kDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CTH is approximately 1 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.