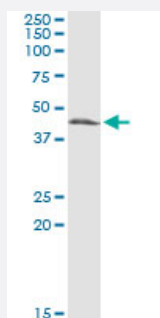


CTH monoclonal antibody (M01A), clone 4E1-1B7

Catalog # H00001491-M01A

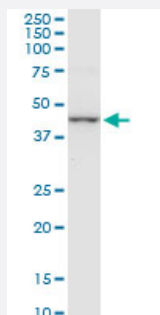
Size 200 uL

Applications



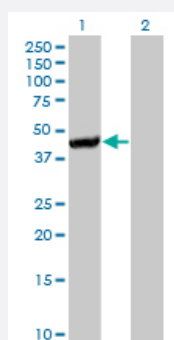
Western Blot (Tissue lysate)

CTH monoclonal antibody (M01A), clone 4E1-1B7. Western Blot analysis of CTH expression in human liver.



Western Blot (Cell lysate)

CTH monoclonal antibody (M01A), clone 4E1-1B7. Western Blot analysis of CTH expression in Hela S3 NE.

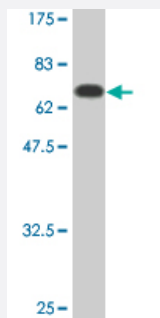


Western Blot (Transfected lysate)

Western Blot analysis of CTH expression in transfected 293T cell line by CTH monoclonal antibody (M01A), clone 4E1-1B7.

Lane 1: CTH transfected lysate (Predicted MW: 44.5 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (70.07 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CTH.
Immunogen	CTH (AAH15807, 1 a.a. ~ 405 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MQEKDASSQGFLPHFQHFATQAIHVGGDPEQWTSRAVVPPISLSTTFKQGAPGQHSQFEYSRSG NPTRNCLEKAVAALDGAKEYCLAFASGLAATVTITHLLKAGDQIICMDDVYGGTNRYFRQVASEFGL KISFVDCSKIKLLEAAITPETKLWVETPTNPTQKVIDIEGCAHVHKHGDILVVDNTFMSPYFQRPLA LGADISMYSATKYMNGRSDVVMGLVSVNCESLHNRLRFLQNSLGAVPSPIDCYLCNRGLKTLHVR MEKHFKNGMAVAQFLESNPWVEKVMPGLPSHPQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLK NLKLFTLAESLGGFESLAELPAIMTHASVLKNDRDVLGISDTLIRLSVGLDEEDLLEDLDQALKAA HPPSGSHS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (70.07 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CTH monoclonal antibody (M01A), clone 4E1-1B7. Western Blot analysis of CTH expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

CTH monoclonal antibody (M01A), clone 4E1-1B7. Western Blot analysis of CTH expression in Hela S3 NE.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CTH expression in transfected 293T cell line by CTH monoclonal antibody (M01A), clone 4E1-1B7.

Lane 1: CTH transfected lysate (Predicted MW: 44.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CTH

Entrez GeneID [1491](#)

GeneBank Accession# [BC015807](#)

Protein Accession# [AAH15807](#)

Gene Name CTH

Gene Alias MGC9471

Gene Description cystathionase (cystathionine gamma-lyase)

Omim ID [219500 607657](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathionine 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 two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000010945|OTTHUMP00000010946|cystathionase|cysteine desulfhydrase|gamma-cystathionase|homoserine deaminase|homoserine dehydratase

Pathway

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

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infertility](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)