

**CTH Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant CTH.

Catalog # AT1667a

**Specification**

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**CTH Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P32929</a>
Other Accession	<a href="#">BC015807</a>
Reactivity	Human, Guinea Pig
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	44508

**CTH Antibody (monoclonal) (M01) - 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

**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.

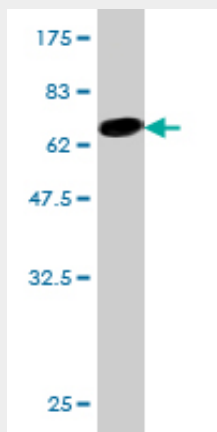
**CTH Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

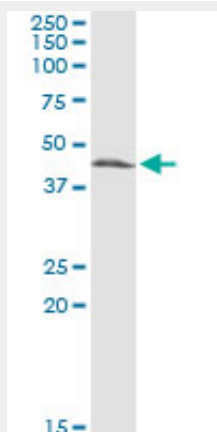
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

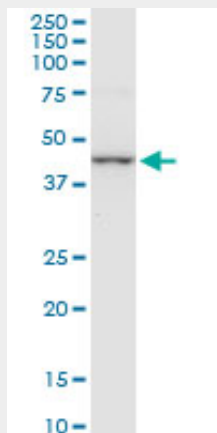
### CTH Antibody (monoclonal) (M01) - Images



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

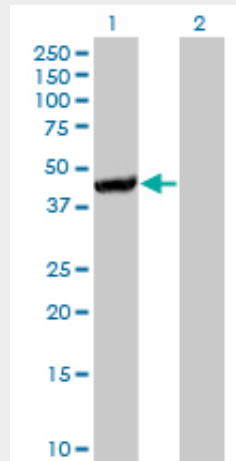


CTH monoclonal antibody (M01), clone 4E1-1B7. Western Blot analysis of CTH expression in human liver.



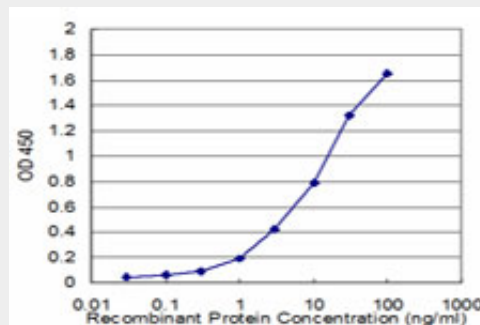
CTH monoclonal antibody (M01), clone 4E1-1B7. Western Blot analysis of CTH expression in HeLa

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 1ng/ml as a capture antibody.

### CTH Antibody (monoclonal) (M01) - 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.

### CTH Antibody (monoclonal) (M01) - References

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