

**CBS Antibody (monoclonal) (M01)**  
Mouse monoclonal antibody raised against a partial recombinant CBS.  
Catalog # AT1408a

## Specification

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### CBS Antibody (monoclonal) (M01) - Product Information

Application	IP, WB, IHC, E
Primary Accession	<a href="#">P35520</a>
Other Accession	<a href="#">NM_000071</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	60587

### CBS Antibody (monoclonal) (M01) - Additional Information

**Gene ID** 102724560;875

#### Other Names

Cystathionine beta-synthase, Beta-thionase, Serine sulfhydrase, CBS

#### Target/Specificity

CBS (NP\_000062, 1 a.a. ~ 100 a.a) partial 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

CBS Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

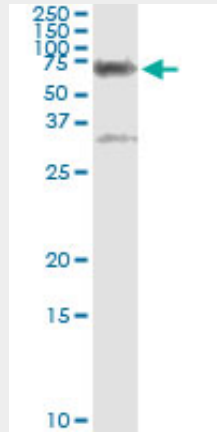
### CBS Antibody (monoclonal) (M01) - Protocols

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

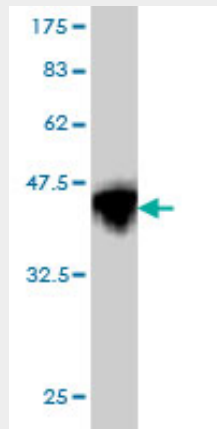
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

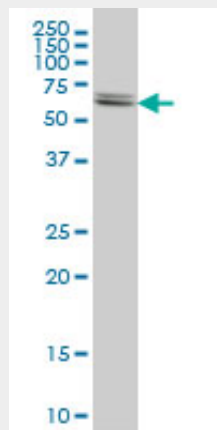
### CBS Antibody (monoclonal) (M01) - Images



Immunoprecipitation of CBS transfected lysate using anti-CBS monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with CBS MaxPab rabbit polyclonal antibody.

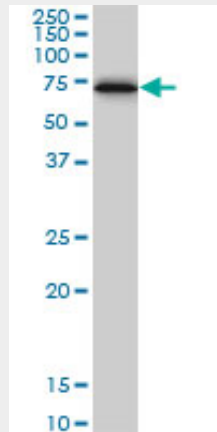


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .

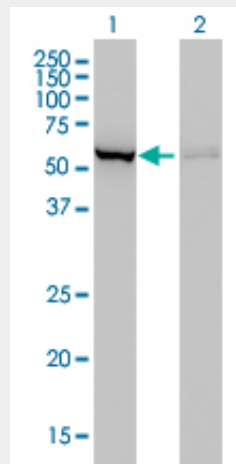


CBS monoclonal antibody (M01), clone 3E1 Western Blot analysis of CBS expression in HeLa (

(Cat # AT1408a )

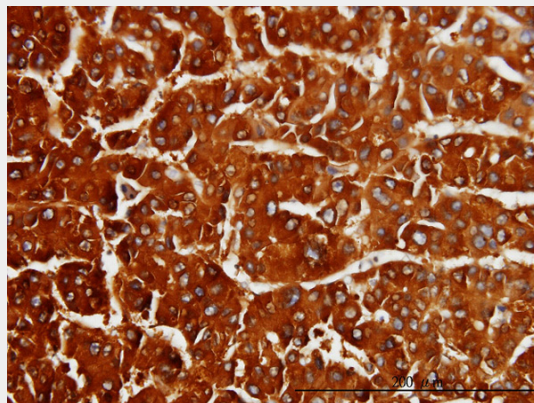


CBS monoclonal antibody (M01), clone 3E1. Western Blot analysis of CBS expression in MCF-7 (Cat # AT1408a )

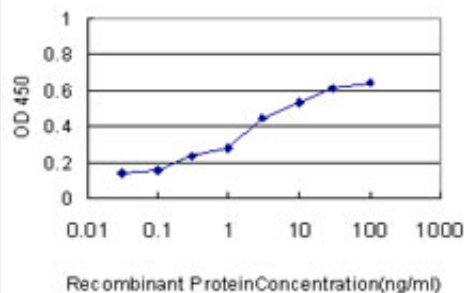


Western Blot analysis of CBS expression in transfected 293T cell line by CBS monoclonal antibody (M01), clone 3E1.

Lane 1: CBS transfected lysate(61 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to CBS on formalin-fixed paraffin-embedded human hepatocellular carcinoma. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged CBS is approximately 0.1ng/ml as a capture antibody.

### **CBS Antibody (monoclonal) (M01) - Background**

The protein encoded by this gene acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. The encoded protein is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in this gene can cause cystathionine beta-synthase deficiency (CBS), which can lead to homocystinuria. Multiple alternatively spliced transcript variants have been found for this gene.

### **CBS Antibody (monoclonal) (M01) - References**

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