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CBS Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CBS.
Catalog # AT1408a

Product Information

Application	WB, IHC, IP, E
Primary Accession	P35520
Other Accession	NM_000071
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	30
Calculated MW	60587

Additional Information

Gene ID	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 IHC~~1:100~500 IP~~N/A 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	CBS Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

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 (CBSD), which can lead to homocystinuria. Multiple alternatively spliced transcript variants have been found for this gene.

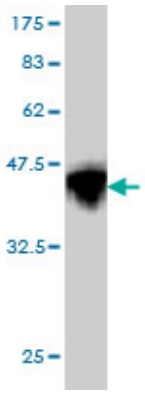
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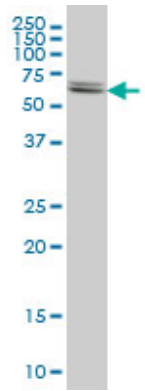
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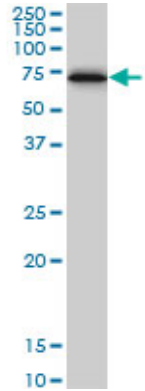
Images



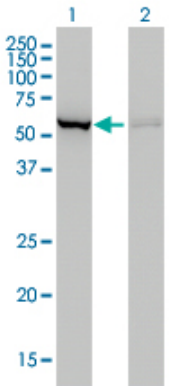
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



CBS monoclonal antibody (M01), clone 3E1 Western Blot analysis of CBS expression in HeLa ((Cat # AT1408a)

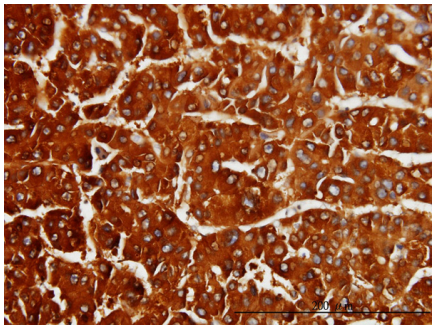


CBS monoclonal antibody (M01), clone 3E1. Western Blot analysis of CBS expression in MCF-7 ((Cat # AT1408a)

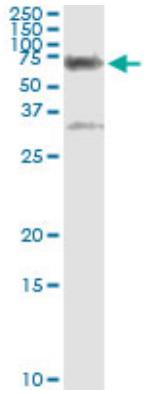


Western Blot analysis of CBS expression in transfected 293T cell line by CBS monoclonal antibody (M01), clone 3E1.

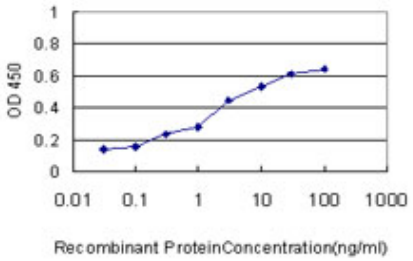
Lane 1: CBS transfected lysate(61 KDa).
Lane 2: Non-transfected lysate.



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



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



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

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