

**Anti-CBS Rabbit Monoclonal Antibody**  
Catalog # ABO15479

**Specification**

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**Anti-CBS Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">P35520</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-CBS Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

**Anti-CBS Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 102724560;875

**Other Names**

Cystathionine beta-synthase, 4.2.1.22, Beta-thionase, Serine sulfhydryase, CBS

**Calculated MW**

61 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human CBS

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-CBS Rabbit Monoclonal Antibody - Protein Information**

**Name** CBS

### Function

Hydro-lyase catalyzing the first step of the transsulfuration pathway, where the hydroxyl group of L-serine is displaced by L-homocysteine in a beta-replacement reaction to form L-cystathionine, the precursor of L-cysteine. This catabolic route allows the elimination of L-methionine and the toxic metabolite L-homocysteine (PubMed:<a href="http://www.uniprot.org/citations/20506325" target="\_blank">20506325</a>, PubMed:<a href="http://www.uniprot.org/citations/23974653" target="\_blank">23974653</a>, PubMed:<a href="http://www.uniprot.org/citations/23981774" target="\_blank">23981774</a>). Also involved in the production of hydrogen sulfide, a gasotransmitter with signaling and cytoprotective effects on neurons (By similarity).

### Cellular Location

Cytoplasm. Nucleus

### Tissue Location

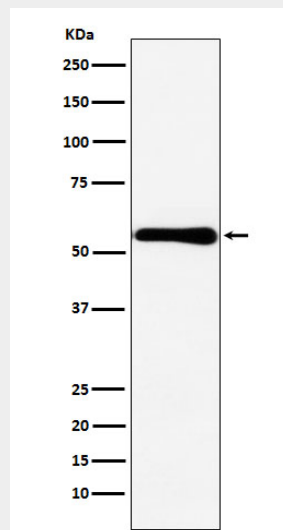
In the adult strongly expressed in liver and pancreas, some expression in heart and brain, weak expression in lung and kidney. In the fetus, expressed in brain, liver and kidney

## Anti-CBS Rabbit Monoclonal Antibody - 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](#)

## Anti-CBS Rabbit Monoclonal Antibody - Images



Western blot analysis of CBS expression in MCF7 cell lysate.