

## 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

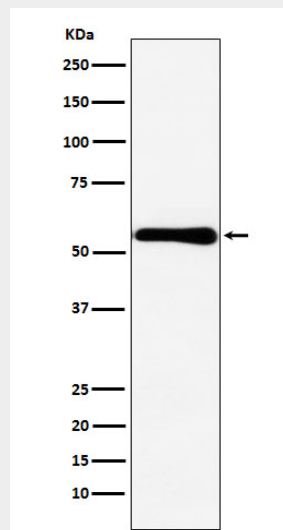
**Tissue Location**

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.