



[Go to Product page](#)

Datasheet for ABIN560205  
**anti-CBS antibody (AA 1-100)**

1 Image

2 Publications

### Overview

Quantity:	50 µL
Target:	CBS
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This CBS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Purpose:	Mouse polyclonal antibody raised against a partial recombinant CBS.
Immunogen:	CBS (NP_000062, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag.
Sequence:	MPSETPQAEV GPTGCPHRSG PHSAKGSLEK GSPEDKEAKE PLWIRPDAPS RCTWQLGRPA SESPHHHTAP AKSPKILPDI LKKIGDTPMV RINKIGKKFG
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

### Target Details

Target:	CBS
Alternative Name:	CBS ( <a href="#">CBS Products</a> )

## Target Details

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Background: Full Gene Name: cystathionine-beta-synthase  
Synonyms: HIP4

Gene ID: 875

NCBI Accession: [NM\\_000071](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: 50 % glycerol

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

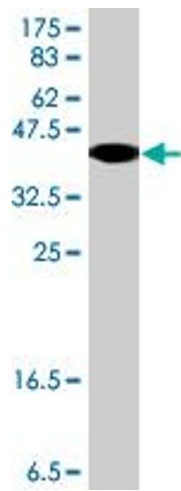
Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in: Dickhout, Carlisle, Jerome, Mohammed-Ali, Jiang, Yang, Mani, Garg, Banerjee, Kaufman, Maclean, Wang, Austin: "Integrated stress response modulates cellular redox state via induction of cystathionine  $\gamma$ -lyase: cross-talk between integrated stress response and thiol metabolism." in: **The Journal of biological chemistry**, Vol. 287, Issue 10, pp. 7603-14, (2012) ([PubMed](#)).

Li, Chen, Muh, Li: "Hyperhomocysteinemia associated with decreased renal transsulfuration activity in Dahl S rats." in: **Hypertension**, Vol. 47, Issue 6, pp. 1094-100, (2006) ([PubMed](#)).



### Western Blotting

**Image 1.** Western Blot detection against Immunogen (37.11 kDa) .