



[Go to Product page](#)

Datasheet for ABIN7489109

## anti-CBS antibody (AA 1-100)

8 Images

38 Publications

### Overview

Quantity:	50 µg
Target:	CBS
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CBS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), RNA Interference (RNAi)

### Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant CBS.
Immunogen:	CBS (NP_000062, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MPSETPQAEV GPTGCPHRSG PHSAKGSLEK GSPEDKEAKE PLWIRPDAPS RCTWQLGRPA SESPHHHTAP AKSPKILPDI LKKIGDTPMV RINKIGKKFG
Clone:	3E1
Isotype:	IgG2a
Cross-Reactivity:	Human, Rat
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

---

Target:	CBS
Alternative Name:	CBS ( <a href="#">CBS Products</a> )
Background:	Full Gene Name: cystathionine-beta-synthase Synonyms: HIP4
Gene ID:	875
NCBI Accession:	<a href="#">NM_000071</a>

## Application Details

---

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

---

Buffer:	In 1x PBS, pH 7.4
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

---

Product cited in:	<p>Shang, Siow, Isaak, O: "Downregulation of Glutathione Biosynthesis Contributes to Oxidative Stress and Liver Dysfunction in Acute Kidney Injury." in: <b>Oxidative medicine and cellular longevity</b>, Vol. 2016, pp. 9707292, (2016) (<a href="#">PubMed</a>).</p> <p>Ohmura, Hishiki, Yamamoto, Nakanishi, Kubo, Tsuchihashi, Tamada, Toue, Kabe, Saya, Suematsu: "Impacts of CD44 knockdown in cancer cells on tumor and host metabolic systems revealed by quantitative imaging mass spectrometry." in: <b>Nitric oxide : biology and chemistry / official journal of the Nitric Oxide Society</b>, Vol. 46, pp. 102-113, (2015) (<a href="#">PubMed</a>).</p> <p>Yuan, Tang, Lu, Zhou, Zhu, Zhou, Zhang, Hu, Xu: "TLR4 upregulates CBS expression through NF-<math>\kappa</math>B activation in a rat model of irritable bowel syndrome with chronic visceral hypersensitivity." in: <b>World journal of gastroenterology</b>, Vol. 21, Issue 28, pp. 8615-28, (2015) (<a href="#">PubMed</a>).</p> <p>Yang, Wu, Wood, Whiteman, Bian: "Hydrogen sulfide attenuates opioid dependence by</p>
-------------------	---

suppression of adenylate cyclase/cAMP pathway." in: **Antioxidants & redox signaling**, Vol. 20, Issue 1, pp. 31-41, (2014) ([PubMed](#)).

Takano, Peng, Kumar, Luo, Hu, Shimoda, Suematsu, Prabhakar, Semenza: "Hypoxia-inducible factors regulate human and rat cystathionine  $\gamma$ -synthase gene expression." in: **The Biochemical journal**, Vol. 458, Issue 2, pp. 203-11, (2014) ([PubMed](#)).

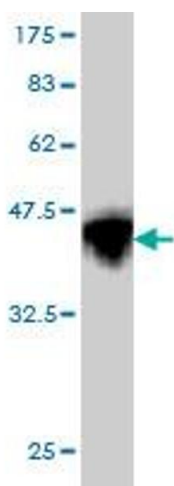
There are more publications referencing this product on: [Product page](#)

## Images



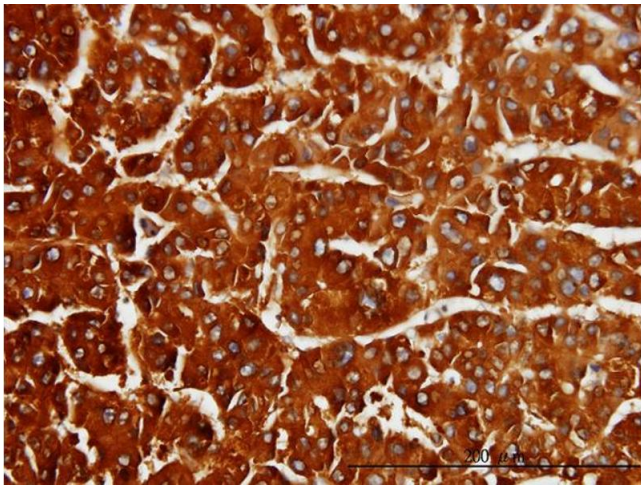
### Immunoprecipitation

**Image 1.** Immunoprecipitation of CBS transfected lysate using anti-CBS monoclonal antibody and Protein A Magnetic Bead , and immunoblotted with CBS MaxPab rabbit polyclonal antibody.



### Western Blotting

**Image 2.** Western Blot detection against Immunogen (36.74 KDa) .



### Immunostaining

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

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN7489109.