

Product Datasheet

CBS Antibody H00000875-D01P

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000875-D01P

CBS Antibody

| Product Information | |
|---------------------|--|
| Unit Size | 0.1 mg |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | No Preservative |
| Isotype | IgG |
| Purity | Protein A purified |
| Buffer | PBS (pH 7.4) |

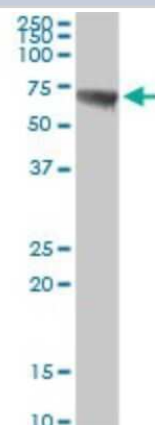
| Product Description | |
|-------------------------|---|
| Description | Quality control test: Antibody reactive against mammalian transfected lysate. |
| Host | Rabbit |
| Gene ID | 875 |
| Gene Symbol | CBS |
| Species | Human, Mouse, Rat, Porcine |
| Specificity/Sensitivity | CBS - cystathionine-beta-synthase, |
| Immunogen | CBS (NP_000062.1, 1 a.a. - 551 a.a.) full-length human protein. MPSETPQAEVGP TGCPHRSGPHSAKGSLEKGSPEDEKEAKEPLWIRPDAPSRC TWQLGRPAESPHHHTAPAKSPKILPDILKKIGDTPMVRINKIGKKFGLKCELLA KCEFFNAGGSVKDRISLRMIEDAERDGLKPGDTIIEPTSGNTGIGLALAAAVRG YRCIIVMPEKMSSEKVDVLRALGAEIVRTPTNARFDSPEHVGVAVWRLKNEIPN SHILDQYRNASNPLAHYDTTAEILQQCDGKLDMLVASVGTGGTITGIARKLKE KCPGCRIIGVDPEGSILAEPEELNQTEQTTYEVEGIGYDFIPTVLDRTVVDKWFK SNDEEAFTFARMLIAQEGLLCGGSAGSTVAVAVKAAQELQEGQRCVVILPDSV RNYMTKFLSDRWMLQKGFLEEDLTEKKPWWWHLRVQELGLSAPLTVLPTIT CGHTIEILREKGFDPVDEAGVILGMVTLGNMLSSLLAGKVQPSDQVGKVIY KQFKQIRLTDTLGRLSHILEMDHFALVVHEQIQYHSTGKSSQRQMVFGVVTAID LLNFVAAQERDQK |
| Notes | This product is produced by and distributed for Abnova, a company based in Taiwan. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot |
| Recommended Dilutions | Western Blot |
| Application Notes | Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control. |

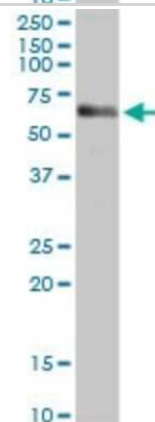


Images

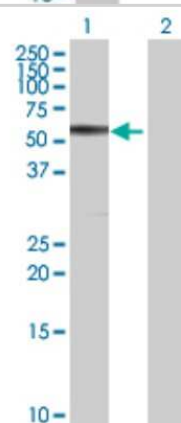
Western Blot: CBS Antibody [H00000875-D01P] - Analysis of CBS expression in mouse kidney.



Western Blot: CBS Antibody [H00000875-D01P] - Analysis of CBS expression in human pancreas.



Western Blot: CBS Antibody [H00000875-D01P] - Analysis of CBS expression in transfected 293T cell line by CBS polyclonal antibody. Lane 1: CBS transfected lysate(60.60 KDa). Lane 2: Non-transfected lysate.



Publications

Wang HJ, Xu X, Xie RH et al. Prenatal maternal stress induces visceral hypersensitivity of adult rat offspring through activation of cystathionine- γ -synthase signaling in primary sensory neurons. *Mol Pain* 2018-04-30 [PMID: 29712513]

Donovan J, Wong PS, Garle MJ et al. Coronary artery hypoxic vasorelaxation is augmented by perivascular adipose tissue through a mechanism involving hydrogen sulfide and cystathionine- γ -synthase. *Acta Physiol (Oxf)* 2018-06-13 [PMID: 29896909]

Lee J, Sil Kang E, Kobayashi S et al. The viability of primary hepatocytes is maintained under a low cysteine-glutathione redox state with a marked elevation in ophthalmic acid production. *Exp Cell Res* 2017-10-26 [PMID: 29079265]

Kobayashi S, Lee J, Takao T, Fujii J et al. Increased ophthalmic acid production is supported by amino acid catabolism under fasting conditions in mice. *Biochem Biophys Res Commun* 2017-07-27 [PMID: 28757411]

Jiang P, Xu Z, Xiao B et al. Hydrogen sulfide protects against the development of experimental cerebral malaria in a C57BL/6 mouse model. *Mol Med Rep* 2017-06-23 [PMID: 28656241]

Kurahashi T, Lee J, Nabeshima A et al. Ascorbic acid prevents acetaminophen-induced hepatotoxicity in mice by ameliorating glutathione recovery and autophagy. *Arch Biochem Biophys* 2016-08-15 [PMID: 27288086]

Qi F, Zhou Y, Xiao Y et al. Promoter demethylation of cystathionine- β -synthetase gene contributes to inflammatory pain in rats. *Pain*. 2012-12-25 [PMID: 23273102]

Asimakopoulou A, Panopoulos P, Chasapis CT et al. Selectivity of commonly used pharmacological inhibitors for cystathionine beta synthase (CBS) and cystathionine gamma lyase (CSE). *Br J Pharmacol*. 2013-03-14 [PMID: 23488457]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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