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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CBS polyclonal antibody (A02)

Catalog # : H00000875-A02

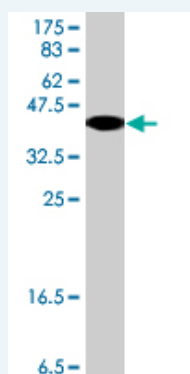
規格 : [50 uL]

List All

Specification

Product Description:	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:	MPSETPQAEVGPTGCPHRSGPHSAKGSLEKGSPEDEKEAKEPLWIRPDA PSRCTWQLGRPASESPHHHTAPAKSPKILPDILKKIGDTPMVRINKIGKKF G
Host:	Mouse
Reactivity:	Human

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.11 kDa) .

Storage Buffer: 50 % glycerol

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

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

1. [The integrated stress response modulates cellular redox state via induction of cystathionine γ-lyase: cross-talk between the integrated stress response and thiol metabolism.](#)
Dickhout JG, Carlisle RE, Jerome DE, Mohammed-Ali Z, Jiang H, Yang G, Mani S, Garg SK, Banerjee R, Kaufman RJ, Maclean KN, Wang R, Austin RC. J Biol Chem. 2012 Jan 3. [Epub ahead of print]
2. [Hyperhomocysteinemia associated with decreased renal transsulfuration activity in Dahl S Rats.](#)
Li N, Chen L, Muh RW, Li PL. Hypertension. 2006 Jun;47(6):1094-100. Epub 2006 Apr 24.

Applications

Application Image

Western Blot (Recombinant protein)

ELISA

ELISA

Gene Information

Entrez GeneID: [875](#)

GeneBank Accession#: [NM_000071](#)

Protein Accession#: [NP_000062](#)

Gene Name: CBS

Gene Alias: HIP4

Gene Description: cystathionine-beta-synthase

Omim ID: [236200](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. The encoded protein is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in this gene can cause cystathionine beta-synthase deficiency (CBS), which can lead to homocystinuria. [provided by RefSeq]

Other Designations: OTTHUMP00000109416,OTTHUMP00000109418,beta-thionase,cystathionine beta-synthase,methylcysteine synthase,serine sulfhydrase

Gene Pathway

[Cysteine and methionine metabolism](#) [Glycine, serine and threonine metabolism](#)
[Metabolic pathways](#) [Selenoamino acid metabolism](#)

Related Disease

[Abnormalities](#) [Adenocarcinoma](#) [Alzheimer Disease](#) [Alzheimer disease](#)
[Aortic Aneurysm](#) [Abdominal Arterial Occlusive Diseases](#) [Arteriosclerosis](#) [Atherosclerosis](#)
[Attention](#) [Brain Infarction](#) [Brain Ischemia](#) [Brain Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#)
[Calcinosis](#) [Carcinoma](#) [Carcinoma, Squamous Cell](#) [Cardiovascular Diseases](#)
[Carotid Artery, Internal, Dissection](#)

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