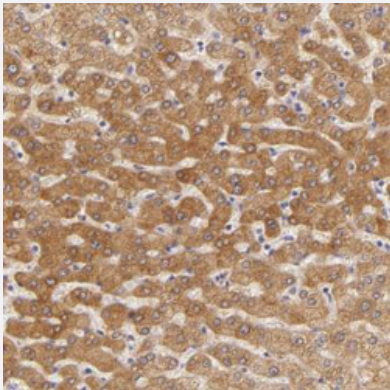


CBS polyclonal antibody

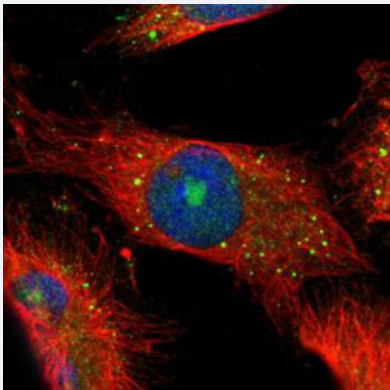
Catalog # PAB28399 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human liver with CBS polyclonal antibody (Cat # PAB28399) shows moderate cytoplasmic positivity in hepatocytes.



Immunofluorescence

Immunofluorescence of U251 MG cell line with CBS polyclonal antibody (Cat # PAB28399) shows positivity in nucleoli and vesicles. Fixation/Permeabilization: PFA/Triton X-100

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant CBS.
Immunogen	Recombinant protein corresponding to human CBS.
Sequence	GGSVKDRISLRMIEDAERDGTKPGDTIIPTSGNTGIGLALAAAVRGYRCIIVMPEKMSSEKVDVLR ALGAEIVRPTNARFDSPESHVGVAWRLKNEIPNSHILDQYRNASNPLAHYDTTAEILQQCDGKL DMLVASVGTGGTITGIGAPHR
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Immunofluorescence (1-4 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4 °C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

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Gene Info — CBS

Entrez GeneID	875
Protein Accession#	F5H2U1
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|methionine synthase|serine sulfhydrylase

Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)

Disease

- [Abnormalities](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Aortic Aneurysm](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Attention](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Data Display](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Exfoliation Syndrome](#)
- [Fetal Diseases](#)
- [Gastrointestinal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Heart Defects](#)
- [Heart Diseases](#)
- [Heart Septal Defects](#)
- [Homocystinuria](#)
- [Huntington disease](#)
- [Hyperhomocysteinemia](#)
- [Hypertension](#)
- [Infection](#)
- [Inflammation](#)
- [Intelligence Tests](#)
- [Intracranial Aneurysm](#)
- [Intracranial Thrombosis](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Malnutrition](#)
- [Meningioma](#)
- [Mental Retardation](#)
- [Mental Status Schedule](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)

- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Skin Diseases](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)

- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Vertebral Artery Dissection](#)
- [Werner syndrome](#)