DNAxPAb | Hard-to-Find Antibody

CBS DNAxPab

Catalog # H00000875-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CBS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPSETPQAEVGPTGCPHRSGPHSAKGSLEKGSPEDKEAKEPLWIRPDAPSRCTWQLGRPASE SPHHHTAPAKSPKILPDILKKIGDTPMVRINKIGKKFGLKCELLAKCEFFNAGGSVKDRISLRMIEDA ERDGTLKPGDTIIEPTSGNTGIGLALAAAVRGYRCIIVMPEKMSSEKVDVLRALGAEIVRTPTNARFD SPESHVGVAWRLKNEIPNSHILDQYRNASNPLAHYDTTADEILQQCDGKLDMLVASVGTGGTITGIA RKLKEKCPGCRIIGVDPEGSILAEPEELNQTEQTTYEVEGIGYDFIPTVLDRTVVDKWFKSNDEEAF TFARMLIAQEGLLCGGSAGSTVAVAVKAAQELQEGQRCVVILPDSVRNYMTKFLSDRWMLQKGF LKEEDLTEKKPWWWHLRVQELGLSAPLTVLPTITCGHTIEILREKGFDQAPVVDEAGVILGMVTLG NMLSSLLAGKVQPSDQVGKVIYKQFKQIRLTDTLGRLSHILEMDHFALVVHEQIQYHSTGKSSQRQ MVFGVVTAIDLLNFVAAQERDQK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CBS

Entrez GeneID	875
GeneBank Accession#	NM_000071.1
Protein Accession#	NP_000062.1
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 homocyst eine to cystathionine, the first step in the transsulfuration pathway. The encoded protein is allosteri cally activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in thi s gene can cause cystathionine beta-synthase deficiency (CBSD), which can lead to homocystinu ria. [provided by RefSeq
Other Designations	OTTHUMP00000109416|OTTHUMP00000109418|beta-thionase|cystathionine beta-synthase|me thylcysteine synthase|serine sulfhydrase

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