

Rabbit anti-Human CBS Polyclonal Antibody | anti-CBS antibody

Rabbit anti-CBS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212935	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

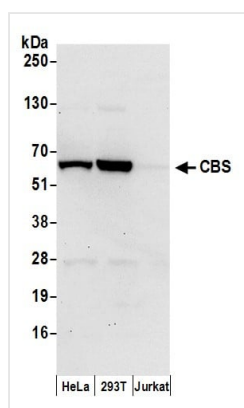
PRODUCT SYNONYMS

CBS; Polyclonal Antibody; Rabbit anti-CBS Antibody; Affinity Purified; beta-thionase; CBSL; cystathionine beta-synthase; Cystathionine beta-synthase-like protein; HIP4; methylcysteine synthase; serine sulfhydrase; Cystathionine beta-synthase; cystathionine-beta-synthase; anti-CBS antibody

PRODUCT SPECIFICATIONS

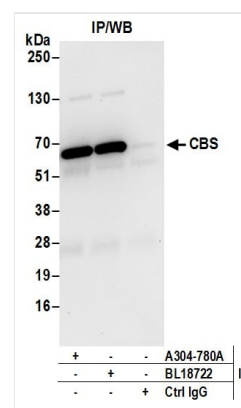
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CBS antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



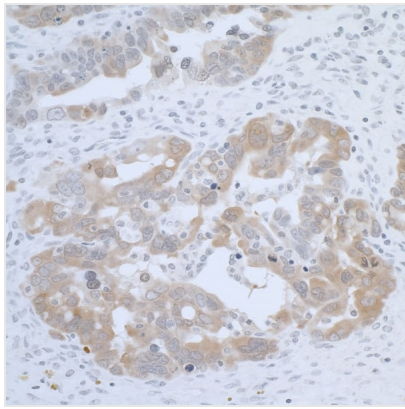
WB (Western Blot)

Detection of human CBS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CBS antibody AAA212935 (lot AAA212935-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human CBS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CBS antibody AAA212935 (lot AAA212935-1) used for IP at 6 ug per reaction. CBS was also immunoprecipitated by rabbit anti-CBS antibody BL18722. For blotting immunoprecipitated CBS, AAA212935 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human CBS by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-CBS (Cat. No. AAA212935 Lot1) used at a dilution of 1:5000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-CBS antibody	Cystathionine beta-synthase (CBS) is the only known pyridoxal phosphate-dependent enzyme that contains heme. It is an important regulator of hydrogen sulfide, especially in the brain, utilizing cysteine instead of serine to catalyze the formation of hydrogen sulfide. Hydrogen sulfide is a gastratransmitter with signaling and cytoprotective effects such as acting as a neuromodulator in the brain to protect neurons against hypoxic injury (By similarity).Cystathionine beta-synthase (CBS) acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. CBS is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor [taken from NCBI Entrez Gene (Gene ID: 875)].
Product Categories/Family for anti-CBS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557415
NCBI GeneID	875
NCBI Accession #	NP_000062.1
NCBI GenBank Nucleotide #	NM_000071.2
UniProt Accession #	P35520; Q99425; Q9BWC5; B2R993; D3DSK4
Molecular Weight	61,863 Da
NCBI Official Full Name	cystathionine beta-synthase
NCBI Official Synonym Full Names	cystathionine-beta-synthase
NCBI Official Symbol	CBS
NCBI Official Synonym Symbols	HIP4
NCBI Protein Information	cystathionine beta-synthase; beta-thionase; serine sulfhydrase; methylcysteine synthase
UniProt Protein Name	Cystathionine beta-synthase
UniProt Gene Name	CBS
UniProt Entry Name	CBS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

