

Rabbit CBS Polyclonal Antibody | anti-CBS antibody

CBS Antibody

CATALOG # AAA166268	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence
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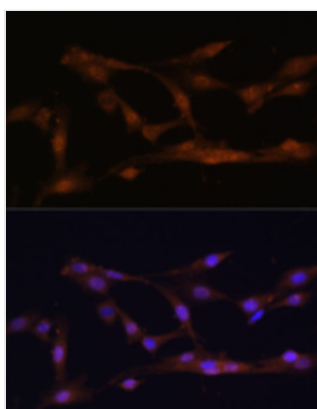
PRODUCT SYNONYMS

CBS; Polyclonal Antibody; CBS Antibody; HIP4; anti-CBS antibody

PRODUCT SPECIFICATIONS

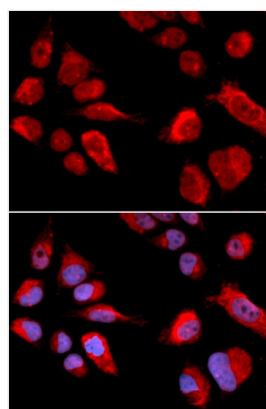
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Sequence Length	464
Applicable Applications for anti-CBS antibody	IF (Immunofluorescence)
Immunogen	Recombinant protein of human CBS (NP_000062.1)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-46832 / sc-46830 / sc-46831 / sc-67154
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



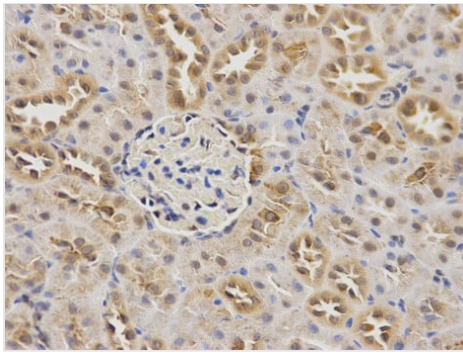
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using CBS Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



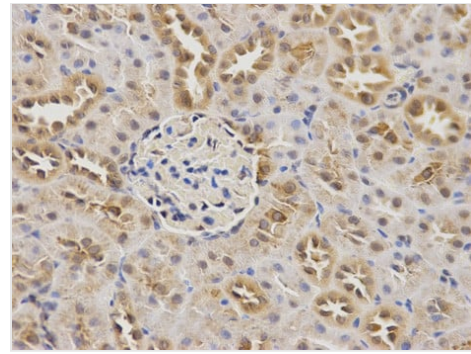
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using CBS antibody. Blue: DAPI for nuclear staining.



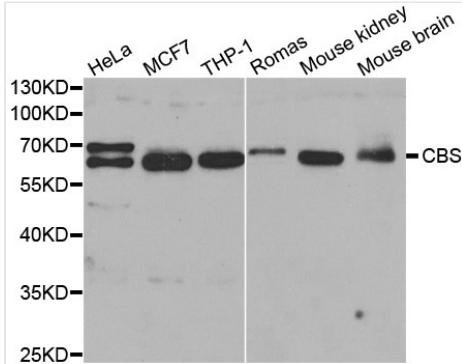
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using CBS antibody at dilution of 1:100 (400x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using CBS antibody at dilution of 1:100 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CBS antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CBS antibody

Background: 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. This gene is a major contributor to cellular hydrogen sulfide production. Multiple alternatively spliced transcript variants have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	378544331
NCBI GeneID	13112170
UniProt Accession #	H6SAP3
NCBI Official Full Name	cbs
NCBI Official Symbol	cbs
NCBI Protein Information	cbs; hypothetical protein
UniProt Protein Name	Cbs protein
UniProt Gene Name	cbs
UniProt Entry Name	H6SAP3_MYCTX

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