CBS Rabbit Polyclonal Antibody

CAB1427

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

61KDa

Calculated MW:

60kDa/61kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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 (CBSD), 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.

Immunogen information

Gene ID:
875

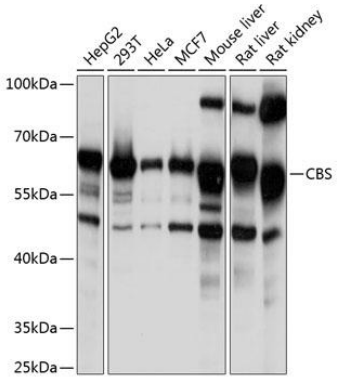
Uniprot
P35520

Synonyms:
CBS; HIP4

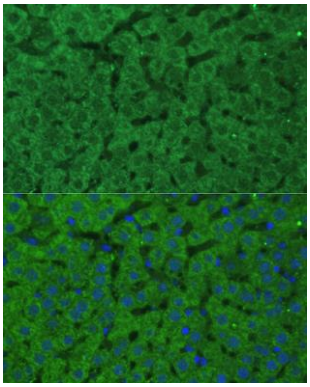
Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 252-551 of human CBS (NP_000062.1).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

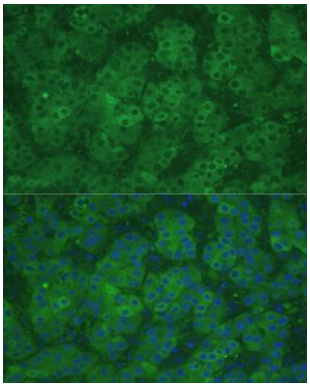
Product Images



Western blot analysis of extracts of various cell lines, using CBS Polyclonal Antibody (CAB1427) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunofluorescence analysis of rat liver using CBS Rabbit pAb (CAB1427) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of human liver cancer using CBS Rabbit pAb (CAB1427) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.