Product Datasheet

CBS Rabbit mAb

Catalog No: #49984

Package Size: #49984-1 50ul #49984-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

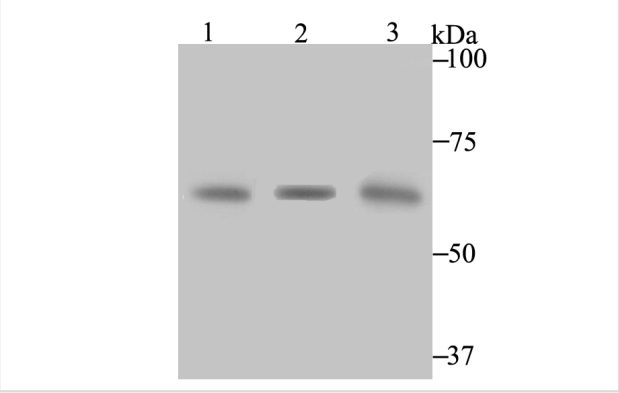
Description

Product Name	CBS Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JE40-99
Purification	ProA affinity purified
Applications	WB,ICC
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human CBS aa 400-550.
Other Names	AI047524 antibody AI303044 antibody Beta thionase antibody Beta-thionase antibody Cbs antibody Cbs cystathionine beta-synthase antibody CBS_HUMAN antibody Cystathionine beta synthase antibody Cystathionine beta-synthase antibody EC 4.2.1.22 antibody HIP 4 antibody HIP4 antibody Methylcysteine synthase antibody MGC18856 antibody MGC18895 antibody MGC37300 antibody OTTHUMP00000109416 antibody OTTHUMP00000109418 antibody Serine sulfhydrase antibody
Accession No.	Swiss-Prot#:P35520
Uniprot	P35520
GeneID	102724560;875;
Calculated MW	61 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

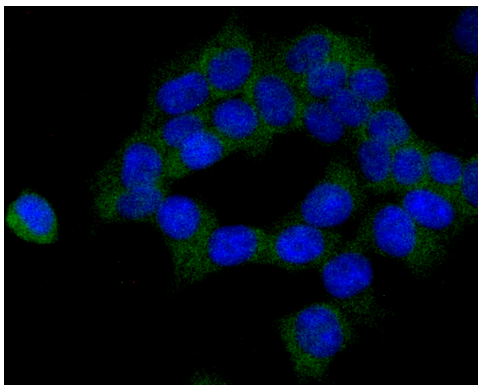
Application Details

WB: 1:500-1:2,000 ICC: 1:50-1:100

Images



Western blot analysis of CBS on different lysates using anti-CBS antibody at 1/1,000 dilution. Positive control: Lane 1: 293 Lane 2: 293 Lane 3: human liver tissue



ICC staining CBS in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Strongly expressed in human liver and pancreas, with weaker expression in heart and brain, the cytoplasmic protein cystathionine b-synthase (CBS) operates in the first step of homocysteine transulfuration. CBS, which belongs to the cysteine synthase/cystathionine b-synthase family of proteins, catalyzes the formation of cystathionine from the thrombogenic amino acid homocysteine using pyridoxal phosphate cofactor. Allosteric activation by adenosyl-methionine regulates CBS activity. Deficiencies in CBS are assoc-iated with homocystinuria, a recessively inherited error in sulfur amino acid metabolism that affects many organs and tissues. Symptoms of homocytinuria include arteriosclerosis, thrombosis, dislocated optic lenses, mental retard-ation and skeletal abnormalities.

References

Note: This product is for in vitro research use only