

Anti-CBS Polyclonal Antibody

Product Details

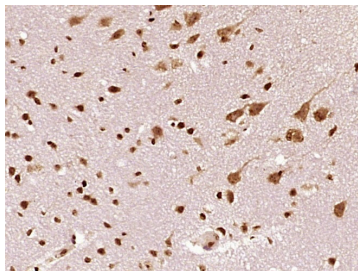
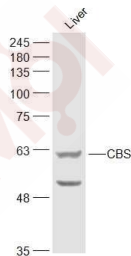
Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Cow,Rabbit)
Molecular Weight:	Theoretical: 61 kDa. Actual: 61 kDa.
Purification:	Protein A purified

Applications

1. Sample:
Liver (Mouse) Cell Lysate at 40 µg
Primary: Anti-CBS (TMAB-00301) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 61 kDa
Observed band size: 61 kDa

Verified Activity:

2. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CBS) Polyclonal Antibody, Unconjugated (TMAB-00301) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Application:	IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HIP4

Antigen Species: Human

Gene ID: 875

Uniprot ID: P35520

Synonyms: Cystathionine beta-synthase;Beta-thionase;CBS;Serine sulfhydrase

Biology Area: Cellular metabolic process,Amino acid metabolism,Amino Acids

Research 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. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2010].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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