

CBS Antibody (clone 3E1)
Mouse Monoclonal Antibody
Catalog # ALS14318**Specification**

CBS Antibody (clone 3E1) - Product Information

Application	WB, IP, IHC
Primary Accession	P35520
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal

CBS Antibody (clone 3E1) - Additional Information**Gene ID** 102724560;875**Other Names**

Cystathionine beta-synthase, 4.2.1.22, Beta-thionase, Serine sulfhydrase, CBS

Target/Specificity

Human CBS

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CBS Antibody (clone 3E1) is for research use only and not for use in diagnostic or therapeutic procedures.

CBS Antibody (clone 3E1) - Protein Information**Name** CBS**Function**

Hydro-lyase catalyzing the first step of the transsulfuration pathway, where the hydroxyl group of L-serine is displaced by L-homocysteine in a beta-replacement reaction to form L-cystathionine, the precursor of L-cysteine. This catabolic route allows the elimination of L-methionine and the toxic metabolite L-homocysteine (PubMed: [23981774](http://www.uniprot.org/citations/23981774), PubMed: [20506325](http://www.uniprot.org/citations/20506325), PubMed: [23974653](http://www.uniprot.org/citations/23974653)). Also involved in the production of hydrogen sulfide, a gasotransmitter with signaling and cytoprotective effects on neurons (By similarity).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

In the adult strongly expressed in liver and pancreas, some expression in heart and brain, weak

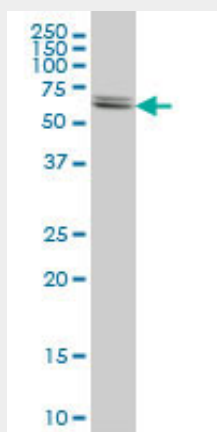
expression in lung and kidney. In the fetus, expressed in brain, liver and kidney

CBS Antibody (clone 3E1) - Protocols

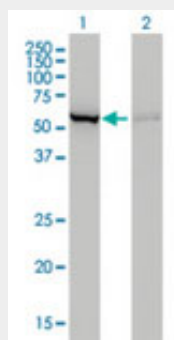
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

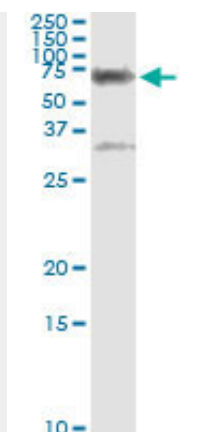
CBS Antibody (clone 3E1) - Images



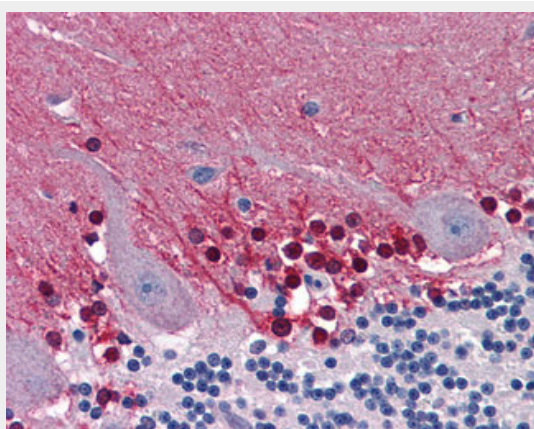
Western blot of CBS expression in HeLa cell lysate.



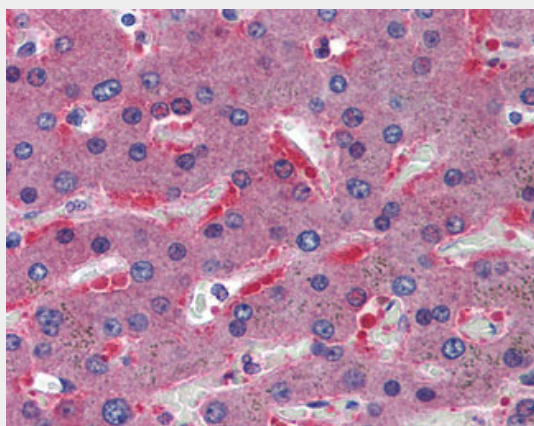
Western blot of CBS expression in transfected 293T cell line.



Immunoprecipitation of CBS transfected lysate using anti-CBS monoclonal antibody and Protein A...



Anti-CBS antibody IHC of human brain, cerebellum.



Anti-CBS antibody IHC of human liver.