

Anti-Cystathionase/CTH Antibody

Catalog Number: PA1556

About CTH

Cystathionine gamma-lyase (or cystathionase) is an enzyme which breaks down cystathionine into cysteine and alpha-ketobutyrate. The International Radiation Hybrid Mapping Consortium mapped the CTH gene to chromosome 1. The CTH gene had earlier been assigned to chromosome 16 by study of somatic cell hybrids. It is demonstrated that hydrogen sulfide (H₂S) is physiologically generated by CTH.

Overview

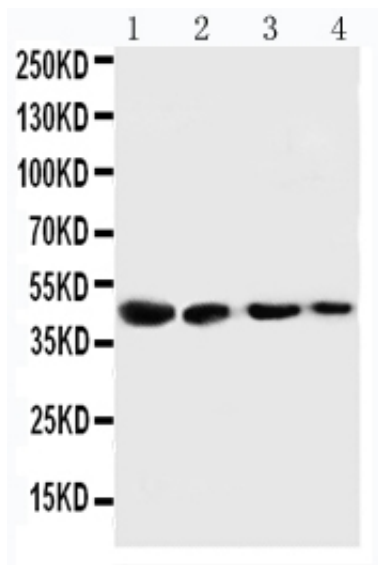
Product Name	Anti-Cystathionase/CTH Antibody
Reactive Species	Human, Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Cystathionine gamma-lyase (CTH) detection. Tested with WB, IHC-P in Human; Mouse; Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P32929

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cystathionase (316-331aa FYIKGTLQHAEIFLKN), different from the related mouse and rat sequences by two amino acids.
Predicted Reactive Species	Rabbit

Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, By Heat Western blot, 0.1-0.5µg/ml, Human, Rat, Mouse For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

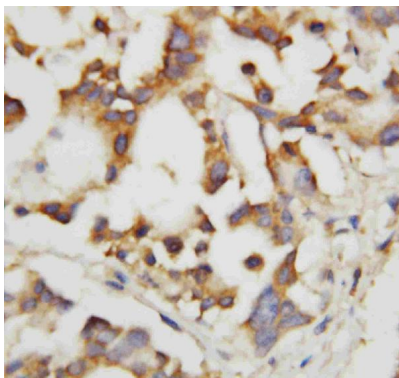
Anti-Cystathionase/CTH Antibody (PA1556) Images



Anti-Cystathionase antibody, PA1556, Western blotting

Lane 1: SMMC Cell Lysate
Lane 2: HT180 Cell Lysate
Lane 3: HELA Cell Lysate
Lane 4: U87 Cell Lysate

Anti-Cystathionase antibody, PA1556, IHC(P)
IHC(P): Human Liver Tissue



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