

# CTH Antibody, Biotin conjugated



PACO49497

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## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA

**Recommended dilutions:****Protein Background:**

Catalyzes the last step in the trans-sulfuration pathway from methionine to cysteine. Has broad substrate specificity. Converts cystathionine to cysteine, ammonia and 2-oxobutanoate. Converts two cysteine molecules to lanthionine and hydrogen sulfide. Can also accept homocysteine as substrate. Specificity depends on the levels of the endogenous substrates. Generates the endogenous signaling molecule hydrogen sulfide (H<sub>2</sub>S), and so contributes to the regulation of blood pressure. Acts as a cysteine-protein sulfhydrylase by mediating sulfhydration of target proteins: sulfhydration consists of converting -SH groups into -SSH on specific cysteine residues of target proteins such as GAPDH, PTPN1 and NF-kappa-B subunit RELA, thereby regulating their function.

**Gene ID:**

CTH

**Uniprot**

P32929

**Synonyms:**

Cystathionine gamma-lyase (EC 4.4.1.1) (Cysteine-protein sulfhydrylase) (Gamma-cystathionase), CTH

**Immunogen:**

Recombinant Human Cystathionine gamma-lyase protein (1-70AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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N/A

N/A