

Product Name: Cystathionase (2V17) Rabbit Monoclonal Antibody
Catalog #: AMRe09687

Summary

| | |
|------------------------|---|
| Production Name | Cystathionase (2V17) Rabbit Monoclonal Antibody |
| Description | Rabbit Monoclonal Antibody |
| Host | Rabbit |
| Application | WB,ELISA |
| Reactivity | Human |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Purification | Affinity purification |

Immunogen

| | |
|--------------------------|---|
| Gene Name | CTH |
| Alternative Names | CTH; Cystathionine gamma lyase; Cysteine desulhydrase; Gamma cystathionase; Homoserine deaminase; |
| Gene ID | 1491.0 |
| SwissProt ID | P32929. |

Application

| | |
|-------------------------|------------------|
| Dilution Ratio | WB 1:1000~1:5000 |
| Molecular Weight | 45kDa |

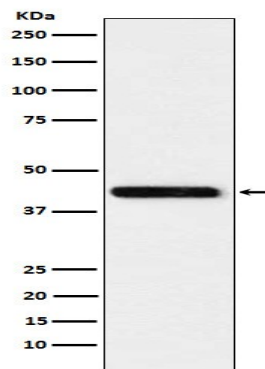
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Background

Catalyzes the last step in the transsulfuration pathway from methionine to cysteine. Has broad substrate specificity. Converts cystathionine to cysteine, ammonia and 2-oxobutanoate. 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 (H₂S), and so contributes to the regulation of blood pressure. Acts as a cysteine-protein sulfhydrase 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.

Research Area

Image Data



Western blot analysis of Cystathionase expression in HeLa cell lysate.

Note

For research use only.