

## Anti-Cystathionase/CTH Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9494-Fluoro594

### 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 (H<sub>2</sub>S) is physiologically generated by CTH.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Cystathionase/CTH Antibody Picoband® Fluoro594 Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | P32929   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human Cystathionase recombinant protein (Position: D181-H398). Human Cystathionase shares 85.8% amino acid (aa) sequence identity with both mouse and rat Cystathionase. |
| Cross Reactivity    | No cross-reactivity with other proteins   |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm   |
| Suggested Dilutions | Optimal dilutions should be determined by end users.  |

## 6 Publications Citing This Product

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1. PubMed ID: 33649809, Nie L,Liu M,Chen J,Wu Q,Li Y,Yi J,Zheng X,Zhang J,Chu C,Yang J.Hydrogen sulfide ameliorates doxorubicin-induced myocardial fibrosis in rats via the PI3K/AKT/mTOR pathway.Mol Med Rep.2021 Apr;23(4):299.doi:10.3892/mmr.2021.11938.Epub 2021 Mar 2.PMID:336498

2. PubMed ID: 26378818, Caffeic Acid Phenethyl Ester inhibit Hepatic Fibrosis by Nitric Oxide Synthase and Cystathionine Gamma-Lyase in Rats

3. PubMed ID: 29393353, Hydrogen sulfide attenuates myocardial fibrosis in diabetic rats through the JAK/STAT signaling pathway

Visit [bosterbio.com/anti-cystathionase-picoband-trade-antibody-pb9494-boster.html](https://bosterbio.com/anti-cystathionase-picoband-trade-antibody-pb9494-boster.html) to see all 6 publications.

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Anti-Cystathionase/CTH Antibody - Fluoro594

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