

# Cystathionase/CTH Rabbit pAb

Catalog No.: A6121 **4 Publications**

## Basic Information

### Observed MW

45kDa

### Calculated MW

45kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC, IP

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathione derived from methionine into cysteine. Glutathione synthesis in the liver is dependent upon the availability of cysteine. Mutations in this gene cause cystathioninuria. Alternative splicing of this gene results in three transcript variants encoding different isoforms.

## Recommended Dilutions

**WB** 1:100 - 1:500

**IF/ICC** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

1491

### Swiss Prot

P32929

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-405 of human Cystathionase/Cystathionase/CTH (NP\_001893.2).

### Synonyms

CGL; CSE; Cystathionase/CTH

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

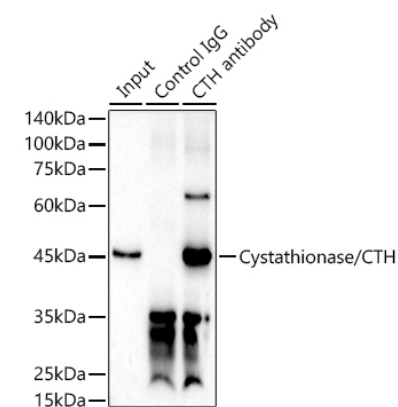
Affinity purification

### Storage

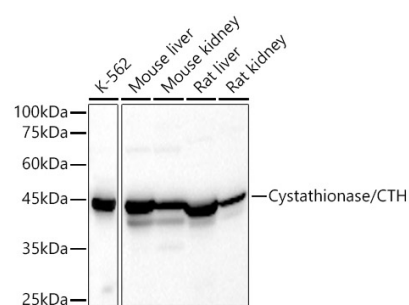
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

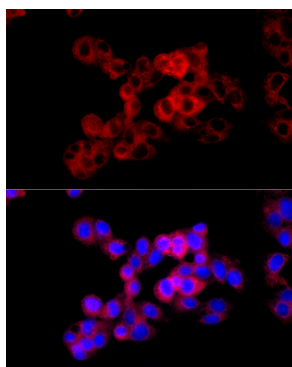
## Validation Data



Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg Cystathionase/CTH antibody (A6121). Western blot was performed from the immunoprecipitate using Cystathionase/CTH antibody (A6121) at a dilution of 1:500.



Western blot analysis of various lysates, using Cystathionase/CTH Rabbit pAb (A6121) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence analysis of HepG2 cells using Cystathionase/CTH Rabbit pAb (A6121) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.