# **GCLC Rabbit mAb**

Catalog No.: A4499 Recombinant 4 Publications



## **Basic Information**

### **Observed MW**

73kDa

### **Calculated MW**

73kDa

## Category

Primary antibody

## **Applications**

WB,IHC-P,ELISA

### **Cross-Reactivity**

Human, Rat

#### CloneNo number

ARC1065

## **Background**

Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. This locus encodes the catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at this locus have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.

## **Recommended Dilutions**

**WB** 1:500 - 1:1000

IHC-P 1:100 - 1:800

**ELISA** Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**2729

Swiss Prot
P48506

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

GCL; GCS; GLCL; GLCLC; GCLC

## **Contact**

<b>a</b>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	Ī	www.abclonal.com.cn

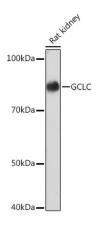
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



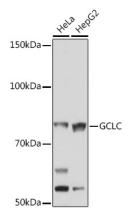
Western blot analysis of lysates from Rat kidney, using GCLC Rabbit mAb (A4499) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.

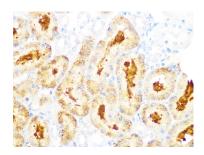


Western blot analysis of various lysates using GCLC Rabbit mAb (A4499) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021).

Exposure time: 3min.



Immunohistochemistry analysis of paraffinembedded Rat kidney using GCLC Rabbit mAb (A4499) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.