

## Product datasheet for TA335010

# **GCLC Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type: Primary Antibodies** 

**Applications:** 

Recommended Dilution: WB

Reactivity: Human, Mouse

Host: Rabbit

Isotype: lgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-GCLC antibody: synthetic peptide directed towards the middle

region of human GCLC. Synthetic peptide located within the following region:

RISKSRYDSIDSYLSKCGEKYNDIDLTIDKEIYEQLLQEGIDHLLAQHVA

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification: Affinity Purified** 

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stability: Stable for 12 months from date of receipt.

**Predicted Protein Size:** 73 kDa

Gene Name: glutamate-cysteine ligase catalytic subunit

Database Link: NP 001489

Entrez Gene 14629 MouseEntrez Gene 2729 Human

P48506

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. GCLC is the catalytic subunit of 637 amino

acids with a calculated molecular weight of 72.773 kDa. Deficiency of gamma-

glutamylcysteine synthetase in human is associated with enzymopathic hemolytic anemia.

GCL; GCS; GLCL; GLCLC Synonyms:



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**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

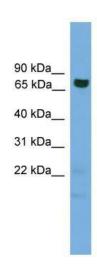
100%; Mouse: 100%; Yeast: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig:

100%

**Protein Families:** Druggable Genome

**Protein Pathways:** Glutathione metabolism, Metabolic pathways

# **Product images:**



WB Suggested Anti-GCLC Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: Human Placenta