

## GCLC

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 73kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human GCLC

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

GCLC;GCS;GLCL;GLCLC ;

**Catalog #:** A1038

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2729

**Isotype:** IgG

**Swiss Prot:** P48506

**Purity:** Affinity purification

For research use only.

**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.[provided by RefSeq, Oct 2010]

**To place an order, please [Click HERE](#).**