

## GCLM

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

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

**Calculated MW:**30kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human GCLM

**Storage Buffer:**

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

**Concentration:**

b

**Synonym:**

GCLM; GLCLR; Glutamate--cysteine ligase regulatory subunit; GCS light chain ; Gamma-ECS regulatory subunit;

**Catalog #:**A5314

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**2730

**Isotype:**IgG

**Swiss Prot:**P48507

**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. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia.

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