SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-GCLM/Biotin Conjugated antibody

Catalog Number: SL23361R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GCLM/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human GCLM
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015] **Function:** This protein is involved in step 1 of the subpathway that synthesizes glutathione from L-cysteine and L-glutamate. **Subunit:** Heterodimer of a catalytic heavy chain and a regulatory light chain. **Subcellular Location:** Cytosol **Tissue Specificity:** In all tissues examined. Highest levels in skeletal muscle. **Similarity:** Belongs to the aldo/keto reductase family. Glutamate--cysteine ligase light chain subfamily. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 2730 Human **Entrez Gene:** 14630 Mouse **Entrez Gene:** 29739 Rat Omim: 601176 Human **SwissProt:** P48507 Human **SwissProt:** O09172 Mouse **SwissProt:** P48508 Rat **Unigene:** 315562 Human **Unigene:** 292676 Mouse **Unigene:** 2460 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.