

## Rabbit GCLM Polyclonal Antibody | anti-GCLM antibody

GCLM Antibody

| CATALOG # | HOST   | REACTIVITY             | APPLICATIONS                              |
|-----------|--------|------------------------|-------------------------------------------|
| AAA326971 | Rabbit | Human, Mouse, Rat, Pig | ELISA, Immunohistochemistry, Western Blot |

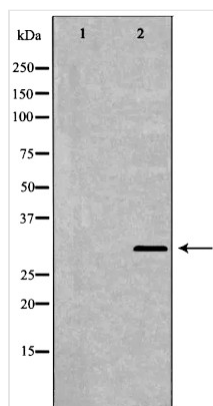
### PRODUCT SYNONYMS

GCLM; Polyclonal Antibody; GCLM Antibody; Gamma ECS regulatory subunit; Gamma-ECS regulatory subunit; Gamma-glutamylcysteine synthetase regulatory subunit; GCS light chain; GLCLR; Glutamate cysteine ligase regulatory subunit; Glutamate--cysteine ligase modifier subunit; Glutamate--cysteine ligase regulatory subunit; GSC light chain; GSHO\_HUMAN; anti-GCLM antibody

### PRODUCT SPECIFICATIONS

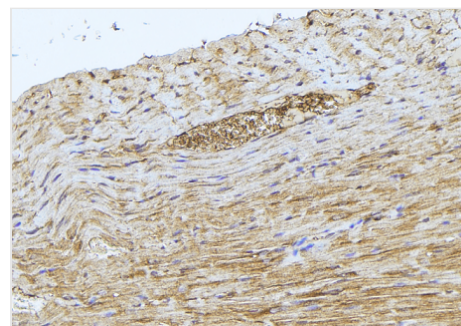
|                                                |                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat, Pig                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                |
| Isotype                                        | IgG                                                                                                                       |
| Specificity                                    | GCLM antibody detects endogenous levels of total GCLM                                                                     |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. (Thermo Fisher Scientific). |
| Form/Format                                    | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                       |
| Concentration                                  | ~1mg/ml (varies by lot)                                                                                                   |
| Sequence Length                                | 252                                                                                                                       |
| Applicable Applications for anti-GCLM antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                      |
| Immunogen                                      | A synthesized peptide derived from human GCLM, corresponding to a region within N-terminal amino acids.                   |
| Preparation and Storage                        | Store at -20°C. Stable for 12 months from date of receipt.                                                                |

### IMAGES



#### WB (Western Blot)

Western blot analysis of MCF7 cell lysate, using GCLM Antibody. The lane on the left is treated with the antigen-specific peptide.



#### IHC (Immunohistochemistry)

AAA326971 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GCLM antibody | Description: 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.                                  |
| References                                         | Li L, Sun HY, Liu W, Zhao HY, Shao ML; Journal: Food Chem Toxicol. Silymarin protects against acrylamide-induced neurotoxicity via Nrf2 signalling in PC12 cells. Zou Y, Wang J, Peng J, Wei H; Journal: Oxid Med Cell Longev. Oregano Essential Oil Induces SOD1 and GSH Expression through Nrf2 Activation and Alleviates Hydrogen Peroxide-Induced Oxidative Damage in IPEC-J2 Cells. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 821325134                                               |
| NCBI GeneID                      | 2730                                                    |
| NCBI Accession #                 | NP_001295182.1                                          |
| NCBI GenBank Nucleotide #        | NM_001308253.1                                          |
| UniProt Accession #              | P48507; Q6FHC1; Q9NPX9; Q9NU74; A8K334; D3DT45; M5A959  |
| Molecular Weight                 | 30 kDa                                                  |
| NCBI Official Full Name          | glutamate--cysteine ligase regulatory subunit isoform 2 |
| NCBI Official Synonym Full Names | glutamate-cysteine ligase modifier subunit              |
| NCBI Official Symbol             | GCLM                                                    |
| NCBI Official Synonym Symbols    | GLCLR                                                   |
| NCBI Protein Information         | glutamate--cysteine ligase regulatory subunit           |
| UniProt Protein Name             | Glutamate--cysteine ligase regulatory subunit           |
| UniProt Gene Name                | GCLM                                                    |
| UniProt Synonym Gene Names       | GLCLR                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gclm-antibody-immunohistochemistry-western-blot-elisa/326971>