

## Mouse GCLM Monoclonal Antibody | anti-GCLM antibody

GCLM antibody

|                               |                      |                                            |
|-------------------------------|----------------------|--------------------------------------------|
| CATALOG #<br><b>AAA224987</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|-------------------------------|----------------------|--------------------------------------------|

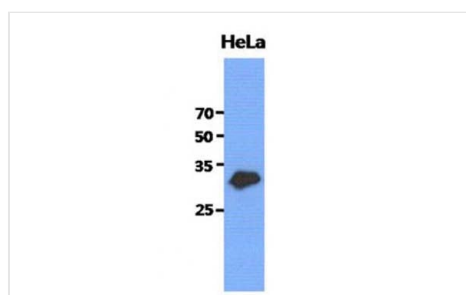
### PRODUCT SYNONYMS

GCLM; Monoclonal Antibody; GCLM antibody; Mouse monoclonal GCLM antibody; Monoclonal GCLM antibody; Anti-GCLM antibody; Glutamate-cysteine ligase antibody; GLCLR antibody; anti-GCLM antibody

### PRODUCT SPECIFICATIONS

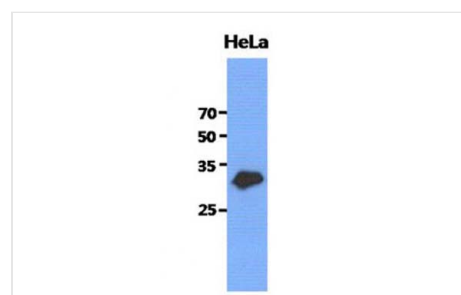
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|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                            |
| Clonality                                      | Monoclonal                                                                                                                                       |
| Isotype                                        | IgG1 kappa                                                                                                                                       |
| Clone Number                                   | AT2D12                                                                                                                                           |
| Purity/Purification                            | Purified by protein-G affinity chromatography                                                                                                    |
| Form/Format                                    | Liquid form in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide                                                                         |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                          |
| Applicable Applications for anti-GCLM antibody | WB (Western Blot), ELISA                                                                                                                         |
| Immunogen                                      | GCLM antibody was purified by recombinant human GCLM (1-274aa) purified from E Coli                                                              |
| Cross-Reactivity                               | Human                                                                                                                                            |
| Preparation and Storage                        | Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C. Avoid repeated freeze/thaw cycles. |

### IMAGES



#### WB (Western Blot)

HeLa cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with GCLM antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



#### Application Data

HeLa cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with GCLM antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Related Product Information for anti-GCLM antibody | GCLM (Glutamate-cysteine ligase, modifier subunit), also known as gamma-glutamylcysteine synthetase, is first rate limiting enzyme of glutathione synthesis. GCLM is heterodimer of a heavy catalytic subunit and a light regulatory subunit that is responsive to inflammation, phenolic antioxidants, heat shock, oxidants and cytokines. GCLM deficiency has been implicated in some forms of hemolytic anemia. Also, GCLM is a molecular target for amelioration of cisplatin resistance in lung cancer. |
| Product Categories/Family for anti-GCLM antibody   | Nutrition & Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**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/monoclonal/gclm-antibody-clone-at2d12-western-blot-elisa/224987>