

**KD-Validated Anti-GCLM Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1522****Specification**

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**KD-Validated Anti-GCLM Rabbit Monoclonal Antibody - Product Information**

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB, FC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Primary Accession | <a href="#">P48507</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity        | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clonality         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW     | Predicted, 31 kDa , observed, 28 kDa KDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name         | GCLM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Aliases           | GCLM; Glutamate-Cysteine Ligase Modifier Subunit; GLCLR; Gamma-Glutamylcysteine Synthetase Regulatory Subunit; Glutamate--Cysteine Ligase Regulatory Subunit; Gamma-ECS Regulatory Subunit; GCS Light Chain; Glutamate-Cysteine Ligase (Gamma-Glutamylcysteine Synthetase), Regulatory (30.8kD); Glutamate-Cysteine Ligase Modifier Subunit Delta2 Alternative Splicing; Glutamate-Cysteine Ligase Regulatory Protein; Glutamate-Cysteine Ligase, Modifier Subunit; Glutamate--Cysteine Ligase Modifier Subunit; Gamma-Glutamylcysteine Synthetase; GSC Light Chain |
| Immunogen         | A synthesized peptide derived from human GCLM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**KD-Validated Anti-GCLM Rabbit Monoclonal Antibody - Additional Information**

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 2730                                                                                                                                                                                                         |
| <b>Other Names</b> | Glutamate--cysteine ligase regulatory subunit, GCS light chain, Gamma-ECS regulatory subunit, Gamma-glutamylcysteine synthetase regulatory subunit, Glutamate--cysteine ligase modifier subunit, GCLM, GLCLR |

**KD-Validated Anti-GCLM Rabbit Monoclonal Antibody - Protein Information****Name** GCLM**Synonyms** GLCLR**Tissue Location**

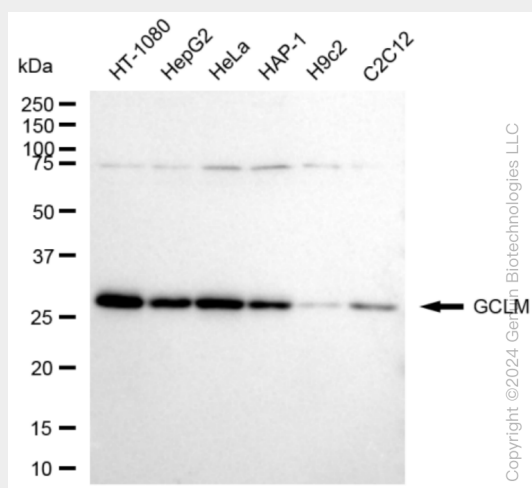
In all tissues examined. Highest levels in skeletal muscle

## KD-Validated Anti-GCLM Rabbit Monoclonal Antibody - Protocols

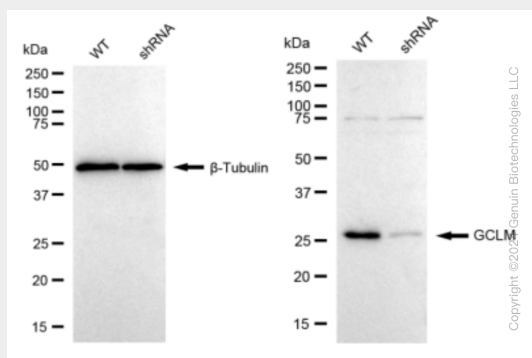
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

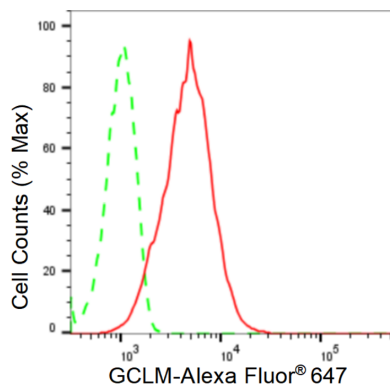
## KD-Validated Anti-GCLM Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-GCLM antibody (Cat#AGI1522). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GCLM antibody (Cat#AGI1522, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-GCLM antibody (Cat#AGI1522). GCLM expression in wild type (WT) and GCLM shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-GCLM antibody (Cat#AGI1522, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of GCLM expression in HepG2 cells using GCLM antibody (Cat#AGI1522, 1:2,000). Green, isotype control; red, GCLM.