

**GCLM Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9102b****Specification**

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**GCLM Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P48507](#)**GCLM Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2730**Other Names**

Glutamate--cysteine ligase regulatory subunit, GCS light chain, Gamma-ECS regulatory subunit, Gamma-glutamylcysteine synthetase regulatory subunit, Glutamate--cysteine ligase modifier subunit, GCLM, GLCLR

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9102b](/products/AP9102b) was selected from the C-term region of human GCLM. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GCLM Antibody (C-term) Blocking Peptide - Protein Information****Name** GCLM**Synonyms** GLCLR**Tissue Location**

In all tissues examined. Highest levels in skeletal muscle

**GCLM Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **GCLM Antibody (C-term) Blocking Peptide - Images**

#### **GCLM Antibody (C-term) Blocking Peptide - Background**

GCLM 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.

#### **GCLM Antibody (C-term) Blocking Peptide - References**

Moyer,A.M., et.al., Cancer Epidemiol. Biomarkers Prev. 19 (3), 811-821 (2010)Engstrom,K.S., et.al., Mutat. Res. 683 (1-2), 98-105 (2010)