

Rabbit GCLM Polyclonal Antibody | anti-GCLM antibody

GCLM antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200389	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

GCLM; Polyclonal Antibody; GCLM antibody - middle region; anti-GCLM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide located within the following region: KP NSNQVNLASC CVMPPDLTAF AKQFDIQLLT HNPKELLSE ASFQEALQ
Sequence Length	274
Applicable Applications for anti-GCLM antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 77%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GCLM
Protein Size (#AA)	274 amino acids
Protein Interactions	UBC; NAGK; GLRX3; GNAI2; GGLC; STOX1; IRF7; CALM1; SORD; CUL3
Blocking Peptide	For anti-GCLM antibody is ()
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



SDS-PAGE

25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 1ug/ml of the antibody was used in this experiment.

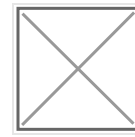


WB (Western Blot)

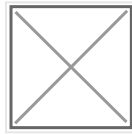
WB Suggested Anti-GCLM Antibody Titration: 0.2-1 ug/mL ELISA Titer: 1:312500 Positive Control: MCF7 cell lysate

**WB (Western Blot)**

Lanes:1: 40ug mouse heart lysate, 2: 40ug mouse skeletal muscle lysate
Primary Antibody Dilution:1:1000
Secondary Antibody:Anti-rabbit HRP
Secondary Antibody Dilution:1:10000
Gene Name:GCLM
Submitted by:Anonymous

**WB (Western Blot)**

Host: Rabbit
Target Name: GCLM
Sample Tissue: Human A549 Whole Cell
Antibody Dilution: 1ug/ml

**IHC (Immunohistochemistry)**

Sample Type: Human Liver
Anti-GCLM antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. GCLM Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GCLM antibody	This is a rabbit polyclonal antibody against GCLM. It was validated on Western Blot using a cell lysate as a positive control. Target 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-GCLM antibody	Polyclonal ; Transcription Factor ; Signal Proteins ; Drugs and Drug Metabolism ; Chromatin & Nuclear Signaling ; Disease Related ; DNA/RNA/Protein Interactions ; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504011
NCBI GeneID	2730
NCBI Accession #	NP_002052
NCBI GenBank Nucleotide #	NM_002061
UniProt Accession #	P48507
Molecular Weight	31kDa
NCBI Official Full Name	glutamate--cysteine ligase regulatory subunit isoform 1
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://stage.aaabiotech.com/polyclonal/gclm-antibody-western-blot-immunohistochemistry-elisa/200389>