

Anti-GCLM Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

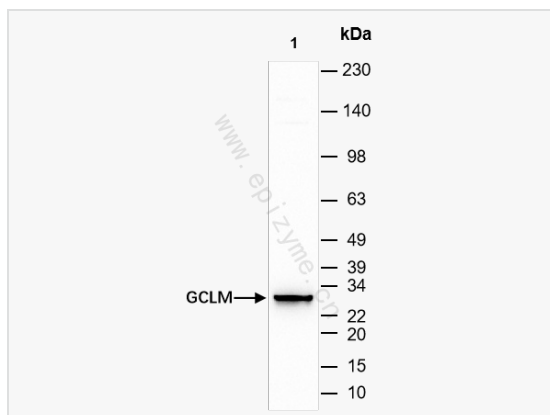
Catalog # R014294

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	97Q92C74
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GCLM
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GCLM Rabbit mAb [97Q92C74] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Gamma ECS regulatory subunit antibody, Gamma-ECS regulatory subunit antibody, Gamma-glutamylcysteine synthetase regulatory subunit antibody, GCLM antibody, GCS light chain antibody, GLCLR antibody, Glutamate cysteine ligase regulatory subunit antibody, Glutamate--cysteine ligase modifier subunit antibody, Glutamate--cysteine ligase regulatory subunit antibody, GSC light chain antibody, GSH0_HUMAN antibody.
Calculated MW	Calculated MW: 31 kDa; Observed MW: 31 kDa
Uniprot ID	P48507
Gene ID	2730
Background	Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 1/2.
Tissue Location	In all tissues examined. Highest levels in skeletal muscle.



Western Blot - Anti-GCLM Rabbit mAb [97Q92C74]

All lanes: R014294 at 1:1,000 dilution

Lane 1: Mouse small intestine whole tissue lysates

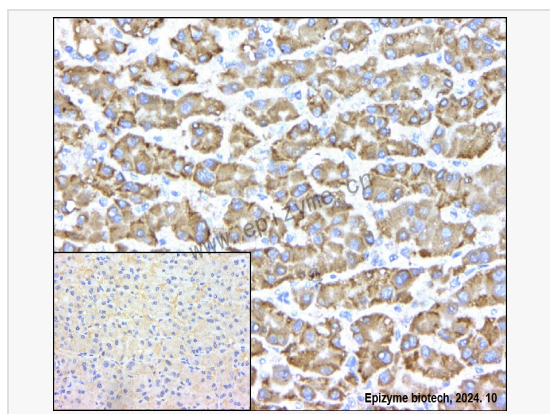
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 31 kDa

Observed band size: 31 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-GCLM Rabbit mAb [97Q92C74]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014294 at 1:200 dilution

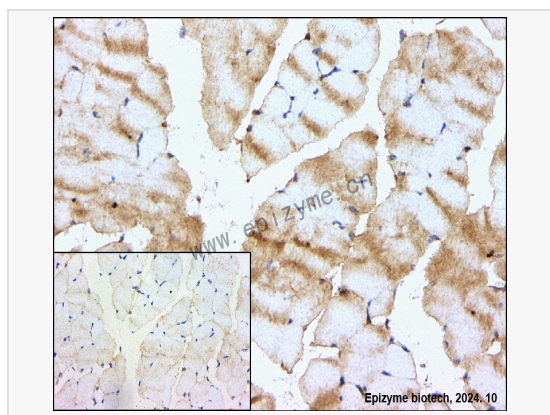
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-GCLM Rabbit mAb [97Q92C74]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse muscle tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014294 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.