GCLM Rabbit mAb

Catalog No: #60095

Package Size: #60095-1 50ul #60095-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GCLM Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	GCLM Antibody detects endogenous levels of total GCLM
Immunogen Description	A synthesized peptide derived from human GCLM
Other Names	GCLM; GCS light chain; GLCLR;
Accession No.	Uniprot:P48507
Calculated MW	Predicted band size: 31 kDa
SDS-PAGE MW	Observed band size: 31 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

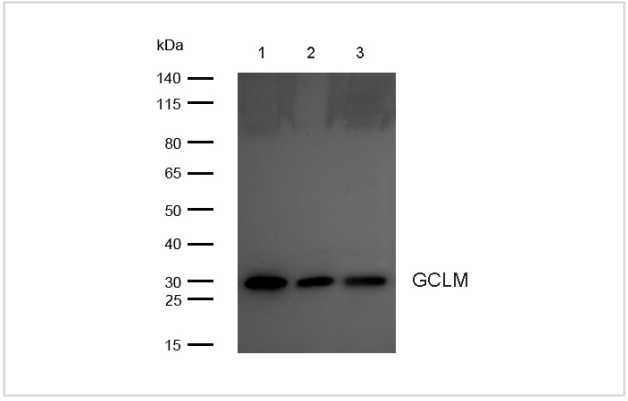
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



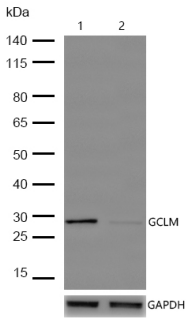
All lanes: GCLM Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : 3T3 whole cell lysates Lane 3 : Rat liver lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 31 kDa
Observed band size: 31 kDa

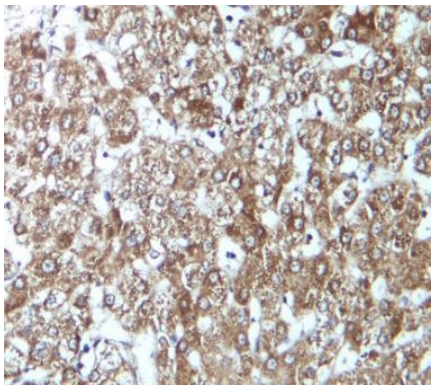
Exposure time: 7 seconds



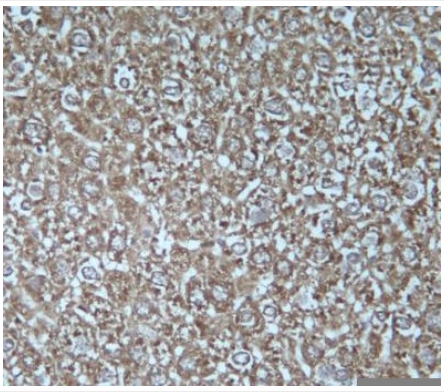
All lanes:GCLM Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate
Lane 2 :GCLM Rabbit mAb knockdown Hela cell lysate

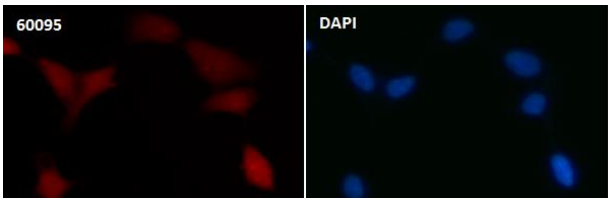
Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human liver tissue stained for GCLM using 60095 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded mouse liver tissue stained for GCLM using 60095 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence GCLM antibody (60095) ICC/IF staining of GCLM in 293T cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 60095 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

Background

This protein is involved in step 1 of the subpathway that synthesizes glutathione from L-cysteine and L-glutamate. This subpathway is part of the pathway glutathione biosynthesis, which is itself part of Sulfur metabolism.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.