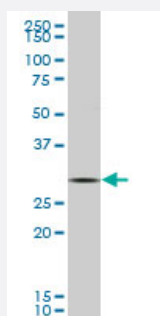


GCLM monoclonal antibody (M02), clone 2C6

Catalog # H00002730-M02

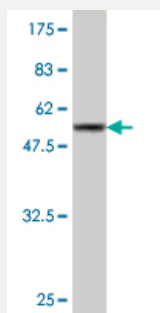
Size 100 ug

Applications



Western Blot (Cell lysate)

GCLM monoclonal antibody (M02), clone 2C6. Western Blot analysis of GCLM expression in PC-12 (Cat # L012V1).



Western Blot detection against Immunogen (55.88 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant GCLM.

Immunogen

GCLM (AAH41809, 1 a.a. ~ 274 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MGTDSTRAAKALLARARTLHLQTGNLLNWGRLRKKCPSTHSEELHDCIQKTLNEWSSQINPDLVRE
FPDVLECTVSHAVEKINPDEREEMKVS AKLFIVESNSSSSSTRSAVDMACSVLGVAQLDSVVIASPP
IEDGVNLSLEHLQPYWEELENLVQSKKIVAIGTSDLDKTQLEQLYQWAQVKPNSNQVNLASCCVM
PPDLTAF AKQFDIQLLTHNDPKELLSGASFQEALQESIPDIQAHEWVPLWLLRYSVIVKSRGIKSK
GYLQAKRRGS

Host

Mouse

Reactivity	Human, Rat
Isotype	IgG2a Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.88 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

GCLM monoclonal antibody (M02), clone 2C6. Western Blot analysis of GCLM expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GCLM

Entrez GeneID	2730
GeneBank Accession#	BC041809
Protein Accession#	AAH41809
Gene Name	GCLM
Gene Alias	GLCLR
Gene Description	glutamate-cysteine ligase, modifier subunit
Omim ID	601176
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

GSC light chain|OTTHUMP00000012299|gamma-glutamylcysteine synthetase|glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), regulatory (30.8kD)|glutamate-cysteine ligase regulatory protein

Pathway

- [Glutathione metabolism](#)
- [Metabolic pathways](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Arsenic Poisoning](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Berylliosis](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Infarction](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Mental Status Schedule](#)
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- [Myocardial Infarction](#)
- [Psychoses](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Werner syndrome](#)