

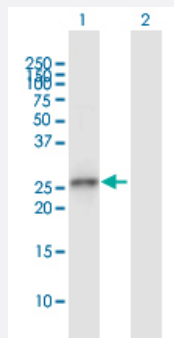
MaxPab®

GCLM MaxPab rabbit polyclonal antibody (D01)

Catalog # H00002730-D01

Size 100 uL

Applications

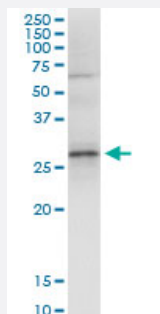


Western Blot (Transfected lysate)

Western Blot analysis of GCLM expression in transfected 293T cell line ([H00002730-T01](#)) by GCLM MaxPab polyclonal antibody.

Lane 1: GCLM transfected lysate(30.7 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of GCLM transfected lysate using anti-GCLM MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with GCLM purified MaxPab mouse polyclonal antibody (B01P) ([H00002730-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human GCLM protein.

Immunogen

GCLM (NP_002052.1, 1 a.a. ~ 274 a.a) full-length human protein.

Sequence

MGTD SRAAKALLARARTLHLQTGNLLNWGRLRKKCPSTHSEELHDCIQKTLNEWSSQINPDLVRE
FPDVLECTVSHAVEKINPDEREEMKVS AKLFIVESNSSSSTRSAVDMACSVLGVAQLDSVVIASPP
IEDGVNLSLEHLQPYWEELENLVQSKKIVAIGTSDLDKTQLEQLYQWAQVKPNSNQVNLASCCVM
PPDLTAF AKQFDIQLLTHNDPKELLSEASFQEALQESIPDIQAHEWVPLWLLRYSVIVKSRGIKSKG
YILQAKRRGS

Host

Rabbit

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — GCLM

Entrez GeneID	2730
GeneBank Accession#	NM_002061.2
Protein Accession#	NP_002052.1
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](#)
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- [Lung Neoplasms](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Psychoses](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Werner syndrome](#)