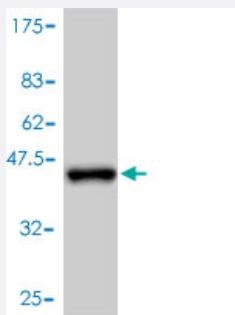


# GCSH polyclonal antibody (A01)

Catalog # H00002653-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (45.14 KDa) .

## Specification

|                               |                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length recombinant GCSH.                                                                                                            |
| Immunogen                     | GCSH (AAH00790.1, 1 a.a. ~ 173 a.a) full-length recombinant protein with GST tag.                                                                                                   |
| Sequence                      | MALRVVRSVRALLCTLRAVPLPAAPCPPRPWQLGVGAVRTLRTGPALLSVRKFTKHEWVTTEN<br>GIGTVGISNFAQEALGDVVYCSLPEVGTKLNKQDEFGALESVKAASELYSPLSGEVTEINEALAEN<br>PGLV NKSCYEDGWLKMTLSNPSELDELMSEEAYEKYKSIEE |
| Host                          | Mouse                                                                                                                                                                               |
| Reactivity                    | Human                                                                                                                                                                               |
| Interspecies Antigen Sequence | Mouse (80); Rat (85)                                                                                                                                                                |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (45.14 KDa) .                                                                            |
| Storage Buffer                | 50 % glycerol                                                                                                                                                                       |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                            |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — GCSH

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">2653</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| GeneBank Accession# | <a href="#">BC000790</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Accession#  | <a href="#">AAH00790.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name           | GCSH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Alias          | GCE, NKH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Description    | glycine cleavage system protein H (aminomethyl carrier)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Omim ID             | <a href="#">238330</a> <a href="#">605899</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Summary        | The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme; MIM 238310), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899), also called nonketotic hyperglycinemia (NKH), may be due to a defect in any one of these enzymes.[supplied by OMIM] |
| Other Designations  | lipoic acid-containing protein mitochondrial glycine cleavage system H-protein part of mitochondrial matrix glycine cleavage enzyme complex of 4 proteins: H-, L-, P-, and T-proteins                                                                                                                                                                                                                                                                                                                                                                                        |

## Disease

- [Genetic Predisposition to Disease](#)
- [Hyperglycinemia](#)
- [Kidney Failure](#)