

GUCY2D polyclonal antibody (A01)

Catalog # H00003000-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.1 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant GUCY2D.
Immunogen	GUCY2D (NP_000171, 521 a.a. ~ 630 a.a) partial recombinant protein with GST tag.
Sequence	RKVAQGSRSSLGARMSDIRSGPSQHLDSPNIGVYEGDRVWLKKFPGDQHAIIRPATKTAFSKLQ ELRHENVALYLGLFLARGAEGPAALWEGNLAVVSEHCTRGSLQDL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (77)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 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 — GUCY2D

Entrez GeneID [3000](#)

GeneBank Accession# [NM_000180](#)

Protein Accession# [NP_000171](#)

Gene Name GUCY2D

Gene Alias CORD5, CORD6, CYGD, GUC1A4, GUC2D, LCA, LCA1, RETGC-1, ROS-GC1, retGC

Gene Description guanylate cyclase 2D, membrane (retina-specific)

Omim ID [204000](#) [600179](#) [600977](#) [601777](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a retina-specific guanylate cyclase, which is a member of the membrane guanylyl cyclase family. Like other membrane guanylyl cyclases, this enzyme has a hydrophobic amino-terminal signal sequence followed by a large extracellular domain, a single membrane spanning domain, a kinase homology domain, and a guanylyl cyclase catalytic domain. In contrast to other membrane guanylyl cyclases, this enzyme is not activated by natriuretic peptides. Mutations in this gene result in Leber congenital amaurosis and cone-rod dystrophy-6 diseases. [provided by RefSeq]

Other Designations -

Pathway

- [Olfactory transduction](#)
- [Purine metabolism](#)

Disease

- [Adenocarcinoma](#)

- [Blindness](#)
- [Esophageal Neoplasms](#)
- [Optic Atrophy](#)
- [Retinal Degeneration](#)
- [Retinal Diseases](#)