

MaxPab®

GUCY2D purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003000-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GUCY2D protein.
Immunogen	GUCY2D (AA48422.1, 1 a.a. ~ 1103 a.a) full-length human protein.
Sequence	MTACARRAGGLPDPGLCGPAWWAPSLPRLPRALPRLPLLLLLLLLQPPALSAVFTVGVLGPWAC DPIFSRARPDLAARLAAARLNDRDPGLAGGPRFEVALLPEPCRTPGSLGAVSSALARVSGLVGPV NPAACRPAELLAEEAGIALVPWGPCWTQAEGTTAPAVTPAADALYALLRAFGWARVALVTAPQD LWVEAGRSLSTALRARGLPVASVTSMEPLDLSGAREALRKVRDGPRTAVIMVMHSVLLGGEEQ RYLLEAAEELGLTDGSLVFLPFDTHYALSPGPEALAAANSSQLRRAHDAVLTLTRHCPSEGSVL DSLRRARERELPSDLNLQQVSPLFGTYDAVFLARGVAEAAAAGGRWVSGAAVARHIRDAQ VPGFCGDLGGDEEPPFVLLDTDAAGDRLFATYMLDPARGSFSLAGTRMHFPRGGSAPGPDPS WFDPNNICGGGLEPGLVFLGFLLVVGMGLAGAFLAHYVRHLLHMQMVSGPNKIILTVDDITFLHP HGGTSRKVAQGSRSSLGARMSDIRSGPSQHLDSPNIGVYEGDRVWLKKFPGDQHAIIRPATKTA FSKLQELRHENVALYLGLFLARGAEGPAALWEGNLAVVSEHCTRGSLLQDLAQREIKLDWMF SKSLLDLIKGIRYLHHRGVAHGRLKSRNCVDGRFVLKITDHGHRLLAQKVLPEPPRAEDQLWTA PELLRDPALERRGTLAGDVFSLAIIIMQEVVCRSAPYAMLELTPEEVVQVRVSPPLCRPLVSMDQ APVECILLMKQCWAEQPELRPSMDHTFDLFKNINKGRKTNIIDSMRLMLEQYSSNLEDLIRERTEEL ELEKQKTDRLLTQMLPPSVAEALKTGTPVEPEYFEQVTLYFSDIVGFTTISAMSEPIEVVDLLNDLY TLFDAIGSHDVYKVTIGDAYMVASGLPQRNGQRHAAEIANMSLDILSAVGTFMRMRHMPEVPVIRI GLHSGPCVAGVVGLTMPRYCLFGDVTNTASRMESTGLPYRIHVNLSTVGILRALDSGYQVELRGR TELKKGGAEDTFWLVGRRGFNKPPIKPPDLQPGSSNHGSLQEIPPERRRKLEKARPGQFS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

[Protocol Download](#)

Gene Info — GUCY2D

Entrez GeneID [3000](#)

GeneBank Accession# [BC148421.1](#)

Protein Accession# [AA48422.1](#)

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](#)