GCGR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GCGR, Polyclonal Antibody
Full Product Name	GCGR Polyclonal Antibody
Product Gene Name	anti-GCGR antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	54kDa
OMIM	138033
3D Structure	ModBase 3D Structure for P47871
Immunogen	Recombinant protein of human GCGR (NP_000151.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GCGR antibody	Western Blot (WB)
Application Notes for anti-GCGR antibody	WB: 1:500-1:2000
Related Product Information for anti-GCGR antibody	The protein encoded by this gene is a glucagon receptor that is important in controlling blood glucose levels. Defects in this gene are a cause of non-insulin-dependent diabetes mellitus (NIDDM).
Other Notes	Small volumes of anti-GCGR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GCGR purchase	MBS8566624 is an antibody targeting GCGR. Also known as GCGR Polyclonal Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GCGR. It may not necessarily be applicable to this product.

NCBI GI #	4503947
NCBI GeneID	2642
NCBI Accession #	NP_000151.1
UniProt Primary Accession #	P47871
UniProt Related Accession #	P47871

GenBank Nucleotide #	NP_000151.1
NCBI Official Full Name	glucagon receptor
NCBI Official Synonym Full Names	glucagon receptor
NCBI Official Symbol	GCGR
NCBI Official Synonym Symbols	GGR; GL-R
UniProt Protein Name	Glucagon receptor
Protein Family	Glucagon receptor
UniProt Gene Name	GCGR
UniProt Synonym Gene Names	GL-R
UniProt Entry Name	GLR_HUMAN
NCBI Protein Information	glucagon receptor
UniProt Comments for GCGR	GCGR: This is a receptor for glucagon which plays a central role in regulating the level of blood glucose by controlling the rate of hepatic glucose production and insulin secretion. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Belongs to the G-protein coupled receptor 2 family. Protein type: Receptor, GPCR; Membrane protein, integral; GPCR, family 2; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 17q25 Cellular Component: integral to plasma membrane; plasma membrane; integral to membrane; endosome Molecular Function: peptide hormone binding; guanyl-nucleotide exchange factor activity; glucagon receptor activity Biological Process: G-protein signaling, coupled to cAMP nucleotide second messenger; response to starvation; generation of precursor metabolites and energy; exocytosis; hormone-mediated signaling; regulation of blood pressure; energy reserve metabolic process; glucose homeostasis; G-protein signaling, adenylate cyclase activating pathway; response to nutrient; positive regulation of GTPase activity Disease: Diabetes Mellitus, Noninsulin-dependent
Research Articles on GCGR	**1.** 3.0 A-resolution crystal structure of the full-length human glucagon receptor (GCGR) in complex with a glucagon analogue and partial agonist, NNC1702
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