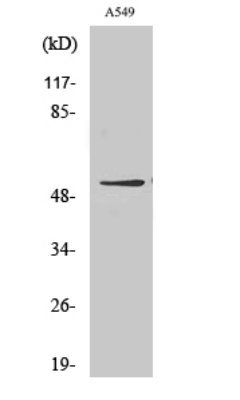
GIPR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GIPR, Polyclonal Antibody
Full Product Name	GIPR Polyclonal Antibody
Product Gene Name	anti-GIPR antibody
Product Synonym Names	GIPR; Gastric inhibitory polypeptide receptor; GIP-R; Glucose-dependent insulinotropic polypeptide receptor
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	53,157 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (46171502..46185717). Location: 19q13.3
OMIM	137241
3D Structure	ModBase 3D Structure for P48546
Applications Tested/Suitable for anti-GIPR antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF)
Related Product Information for anti-GIPR antibody	This is a receptor for GIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.
Other Notes	Small volumes of anti-GIPR 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 GIPR purchase	MBS9243768 is an antibody targeting GIPR. Also known as GIPR Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Wester Blot (WB) of anti-GIPR antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL DETAILS

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

NCBI GI #	4503999
NCBI GeneID	2696
NCBI Accession #	NP_000155.1
UniProt Primary Accession #	P48546
UniProt Secondary Accession #	Q14401; Q16400; Q52M04; Q9UPI1
UniProt Related Accession #	P48546
GenBank Nucleotide #	NM_000164.2
NCBI Official Full Name	gastric inhibitory polypeptide receptor
NCBI Official Synonym Full Names	gastric inhibitory polypeptide receptor
NCBI Official Symbol	GIPR
NCBI Official Synonym Symbols	PGQTL2
UniProt Protein Name	Gastric inhibitory polypeptide receptor
UniProt Synonym Protein Names	Glucose-dependent insulinotropic polypeptide receptor
Protein Family	Gastric inhibitory polypeptide receptor
UniProt Gene Name	GIPR
UniProt Synonym Gene Names	GIP-R
UniProt Entry Name	GIPR_HUMAN
NCBI Protein Information	gastric inhibitory polypeptide receptor; GIP-R; glucose-dependent insulinotropic polypeptide receptor
NCBI Summary for GIPR	This gene encodes a G-protein coupled receptor for gastric inhibitory polypeptide (GIP), which was originally identified as an activity in gut extracts that inhibited gastric acid secretion and gastrin release, but subsequently was demonstrated to stimulate insulin release in the presence of elevated glucose. Mice lacking this gene exhibit higher blood glucose levels with impaired initial insulin response after oral glucose load. Defect in this gene thus may contribute to the pathogenesis of diabetes. [provided by RefSeq, Oct 2011]
UniProt Comments for GIPR	GIPR: This is a receptor for GIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. Belongs to the G-protein coupled receptor 2 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GPCR, family 2; Receptor, GPCR; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: integral to membrane; plasma membrane Molecular Function: gastric inhibitory peptide receptor activity; transmembrane receptor activity; peptide hormone binding Biological Process: elevation of cytosolic calcium ion concentration; desensitization of G-protein coupled receptor protein signaling pathway; generation of precursor metabolites and energy; cell surface receptor linked signal transduction; adenylate cyclase activation; response to glucose stimulus; positive regulation of insulin secretion; response to axon injury; response to calcium ion; endocrine pancreas development; response to nutrient
Research Articles on GIPR	**1.** Functional expression of a GIP receptor mutant lacking N-glycosylation is rescued by co-expressed wild type GLP1 receptor, which suggests formation of a GIP-GLP1 receptor heteromer.
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