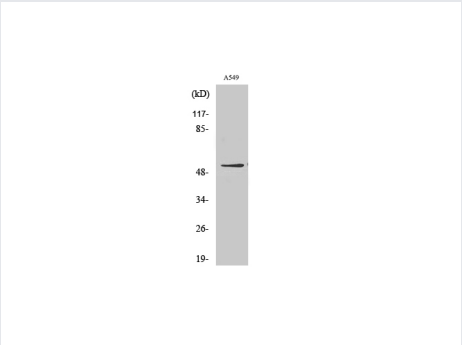
# GIPR Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **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 |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Purity/Purification** | Antigen Affinity Purified |
| **Concentration** | 1 mg/ml (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze / thaw cycles. |
| **Molecular Weight** | Calculated MW: 53<br>Observed MW: 53 |
| **OMIM** | 137241 |
| **Immunogen** | Synthesized peptide derived from the Internal region of human GIPR. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Santa Cruz Alternative** | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-69412 / sc-69414 / sc-69415 / sc-69417 / sc-98795 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-GIPR antibody** | Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA) |
| **Application Notes for anti-GIPR antibody** | WB: 1:500-1:2000, IHC: 1:50-1:200, IF: 1:50-1:100, ELISA: 1:5000-1:20000 |
| **Related Product Information for anti-GIPR antibody** | MBS2535398 is an antibody targeting GIPR. Also known as GIPR Polyclonal Antibody. Reactive in Human. Host: Rabbit. |
| **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. |




**Western Blot (WB) of anti-GIPR antibody**
Western Blot analysis of various cells with GIPR Polyclonal Antibody.

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 817474024 |
| **NCBI GeneID** | 2696 |
| **NCBI Accession #** | NP_001295347.1 |
| **UniProt Secondary Accession #** | Q14401; Q16400; Q52M04; Q9UPI1; B7WP14; B7ZKQ0 |
| **UniProt Related Accession #** | P48546 |
| **GenBank Nucleotide #** | NM_001308418.1 |
| **NCBI Official Full Name** | gastric inhibitory polypeptide receptor isoform 2 |
| **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 |
| **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] |

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| **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.<br><br>Protein type: Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR; GPCR, family 2<br><br>Chromosomal Location of Human Ortholog: 19q13.3<br><br>Cellular Component: cytosol; integral to membrane; plasma membrane<br><br>Molecular Function: gastric inhibitory peptide receptor activity; peptide hormone binding; transmembrane receptor activity<br><br>Biological Process: adenylate cyclase activation; cell surface receptor linked signal transduction; desensitization of G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; endocrine pancreas development; generation of precursor metabolites and energy; positive regulation of insulin secretion; response to axon injury; response to calcium ion; response to glucose stimulus; response to nutrient |
| **Research Articles on GIPR** | **1.** Body mass index change for the A/T+A/A in GIPR genotypes was significantly higher than that for the T/T genotype. rs10423928 may predict weight gain in schizophrenia. |
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