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GIPR Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7495c

Specification

GIPR Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P48546
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**53157**
Antigen Region	**104-136**

GIPR Antibody (Center) - Additional Information

Gene ID 2696

Other Names
Gastric inhibitory polypeptide receptor, GIP-R, Glucose-dependent insulinotropic polypeptide receptor, GIPR

Target/Specificity
This GIPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-136 amino acids from the Central region of human GIPR.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GIPR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GIPR Antibody (Center) - Protein Information

Name GIPR

Function This is a receptor for GIP. The activity of this receptor is mediated by G proteins which

activate adenylyl cyclase.

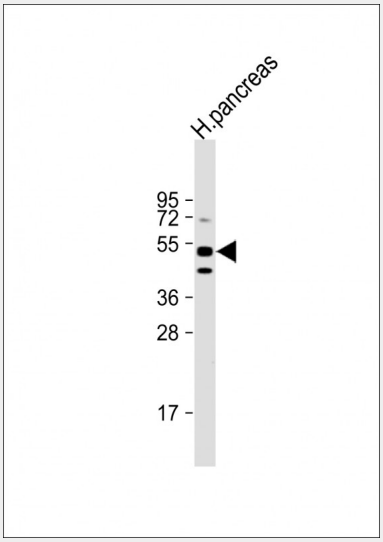
Cellular Location
Cell membrane; Multi-pass membrane protein

GIPR Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GIPR Antibody (Center) - Images



Anti-GIPR Antibody (Center) at 1:1000 dilution + human pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

GIPR Antibody (Center) - Background

GIPR also called glucose-dependent insulinotropic polypeptide, is a 42-amino acid polypeptide synthesized by K cells of the duodenum and small intestine. This protein 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 potently in the presence of elevated glucose. The insulinotropic effect on pancreatic islet beta-cells was then recognized to be the principal physiologic action of GIP. Together with glucagon-like peptide-1, GIP is largely responsible for the secretion of insulin after eating. The protein is involved in several other facets of the anabolic response.

GIPR Antibody (Center) - References

Herbach,N. Am. J. Physiol. Renal Physiol. 296 (4), F819-F829 (2009)
Rudovich,N., Kaiser,S. Regul. Pept. 142 (3), 138-145 (2007)
Nitz,I., Fisher,E. Mol Nutr Food Res 51 (8), 1046-1052 (2007)