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GIPR Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7495A

Specification

GIPR Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P48546
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**7-38**

GIPR Antibody (N-term) - 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 7-38 amino acids from the N-terminal region of human GIPR.

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GIPR Antibody (N-term) - 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.

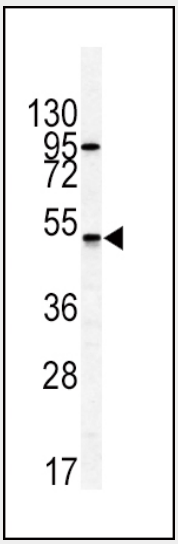
Cellular Location
Cell membrane; Multi-pass membrane protein.

GIPR Antibody (N-term) - Protocols

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

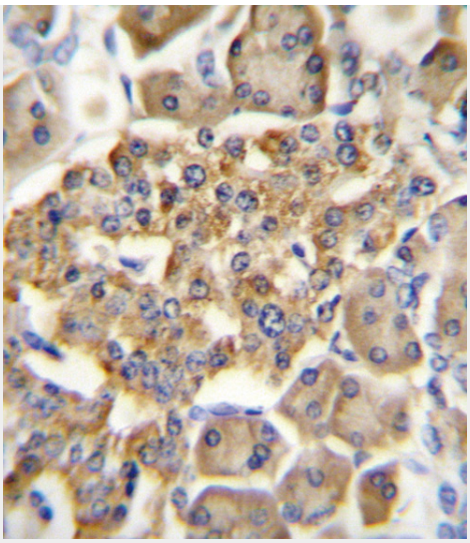
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GIPR Antibody (N-term) - Images

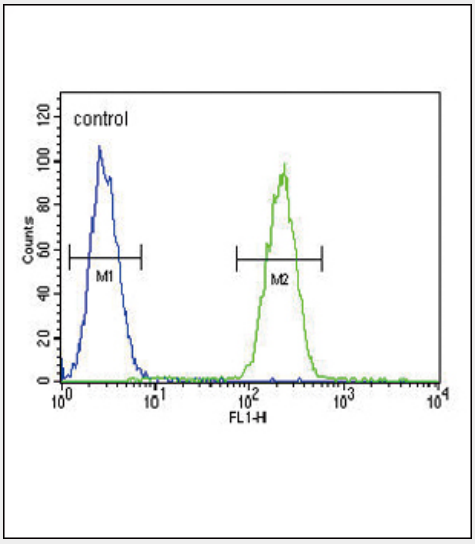


Western blot analysis of GIPR antibody (N-term) (Cat.#AP7495a) in HL60 cell line lysates (35ug/lane). GIPR (arrow) was detected using the purified Pab.

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GIPR Antibody (N-term) (Cat. #AP7495A)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GIPR Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GIPR Antibody (Center) (Cat. #AP7495a) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GIPR Antibody (N-term) - 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 (N-term) - 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)

GIPR Antibody (N-term) - Citations

- Transgenic rescue of adipocyte glucose-dependent insulinotropic polypeptide receptor expression restores high fat diet-induced body weight gain.