10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GIPR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7495c

Product Information

Application	WB, E
Primary Accession	P48546
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18126
Calculated MW	53157
Antigen Region	104-136

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.

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

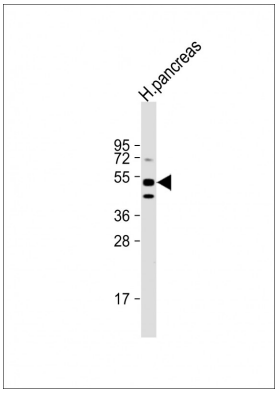
Background

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.

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)

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.