

GIP Rabbit pAb

Catalog # AP99587

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P09681
Other Accession	P09681
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17108
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GIP
Epitope Specificity	52-93/153
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glucagon family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	bs-0098P is one synthetic peptide derived from human GIP. GIP (Gastric Inhibitory polypeptide) belongs to the glucagon superfamily. The encoded protein is important in maintaining glucose homeostasis as it is a potent stimulator of insulin secretion from pancreatic beta-cells following food ingestion and nutrient absorption. This gene stimulates insulin secretion via its G protein-coupled receptor activation of adenylyl cyclase and other signal transduction pathways. It is a relatively poor inhibitor of gastric acid secretion. Mature GIP is a highly conserved 42 amino acid polypeptide belonging to the glucagon family. GIP is highly expressed as a pre-pro-protein in the duodenum and the jejunum. The mature secreted polypeptide acts as a potent stimulator of insulin secretion and a poor inhibitor of gastric acid secretion.

Additional Information

Gene ID	2695
Other Names	GIP_HUMAN; GIP; Glucose-dependent insulinotropic polypeptide; Incretin hormone; gastric inhibitory polypeptide
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GIP
Function	Potent stimulator of insulin secretion and relatively poor inhibitor of gastric acid secretion.
Cellular Location	Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.