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Tel: 858.875.1900 Fax: 858.875.1999

Anti-GIP Picoband Antibody

Catalog # ABO12631

Specification

Anti-GIP Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P09681
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Gastric inhibitory polypeptide(GIP) detection. Tested with WB, IHC-P in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-GIP Picoband Antibody - Additional Information

Gene ID 2695

Other Names
Gastric inhibitory polypeptide, GIP, Glucose-dependent insulinotropic polypeptide, Incretin hormone, GIP

Calculated MW
17108 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted.

Protein Name
Gastric inhibitory polypeptide

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human GIP recombinant protein (Position: Y52-Q93). Human GIP shares 92.9% and 95.2% amino acid (aa) sequence identity with mouse and rat GIP, respectively.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Anti-GIP Picoband Antibody - Protein Information

Name GIP

Function
Potent stimulator of insulin secretion and relatively poor inhibitor of gastric acid secretion.

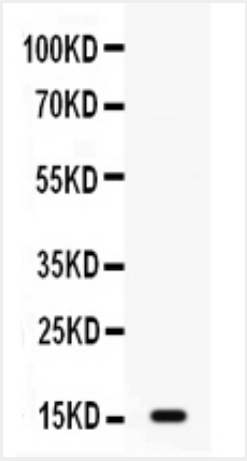
Cellular Location
Secreted.

Anti-GIP Picoband Antibody - 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

Anti-GIP Picoband Antibody - Images



Western blot analysis of GIP expression in MCF-7 whole cell lysates (lane 1). GIP at 16KD was detected using rabbit anti- GIP Antigen Affinity purified polyclonal antibody (Catalog # ABO12631) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

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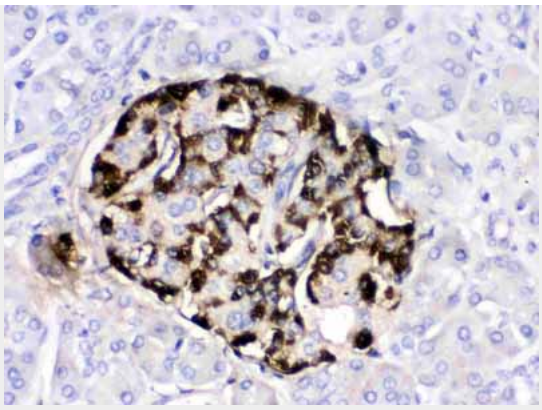

GIP was detected in paraffin-embedded sections of human pancreatic cancer tissues using rabbit anti- GIP Antigen Affinity purified polyclonal antibody (Catalog # ABO12631) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-GIP Picoband Antibody - Background

Gastric inhibitory polypeptide (GIP), also known as the glucose-dependent insulinotropic peptide, is an inhibiting hormone of the secretin family of hormones. GIP is thought to have significant effects on fatty acid metabolism through stimulation of lipoprotein lipase activity in adipocytes. Additionally, GIP release has been demonstrated in the ruminant animal and may play a role in nutrient partitioning in milk production (lipid metabolism). Recently, GIP appeared as a major player in bone remodelling. It was evidenced that genetic ablation of the GIP receptor in mice resulted in profound alterations of bone microarchitecture through modification of the adipokine network. Furthermore, the deficiency in GIP receptors has also been associated in mice with a dramatic decrease in bone quality and a subsequent increase in fracture risk.