

Anti-GIP Picoband Antibody

Catalog # ABO12632

Product Information

Application	WB
Primary Accession	P48756
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Gastric inhibitory polypeptide(GIP) detection. Tested with WB in Mouse.

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

Additional Information

Gene ID	14607
Other Names	Gastric inhibitory polypeptide, GIP, Glucose-dependent insulintropic polypeptide, Gip
Calculated MW	16389
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	Gastric inhibitory polypeptide
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived mouse GIP recombinant protein (Position: Y44-Q85). Mouse GIP shares 92.9% amino acid (aa) sequence identity with both human and rat GIP.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, 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.

Protein Information

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

Background

Gastric inhibitory polypeptide (GIP), also known as the glucose-dependent insulintropic 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.

Images



Western blot analysis of GIP expression in mouse spleen extract (lane 1). GIP at 16KD was detected using rabbit anti-GIP Antigen Affinity purified polyclonal antibody (Catalog # ABO12632) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

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