

Anti-GIP Picoband Antibody

Catalog # ABO12632

Specification

Anti-GIP Picoband Antibody - Product Information

Application	WB	
Primary Accession	<u>P48756</u>	
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.

Anti-GIP Picoband Antibody - Additional Information

Gene ID 14607

Other Names Gastric inhibitory polypeptide, GIP, Glucose-dependent insulinotropic polypeptide, Gip

Calculated MW 16389 MW KDa

Application Details Western blot, 0.1-0.5 µg/ml, Mouse

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 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 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.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-GIP Picoband Antibody - Images

100KD -	
70KD -	
55KD —	
35KD-	
25KD -	
15KD -	-

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 ??g/mL. The blot was developed using chemiluminescence (ECL) 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.