

Rabbit GIP Polyclonal Antibody | anti-GIP antibody

Anti-GIP Antibody

CATALOG # AAA46618	HOST Rabbit	REACTIVITY Human No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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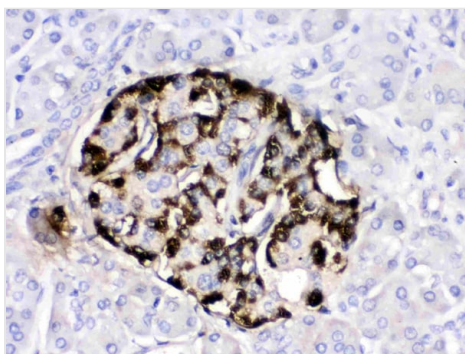
PRODUCT SYNONYMS

GIP; Polyclonal Antibody; Anti-GIP Antibody; Gastric Inhibitory Peptide; P09681; Gastric inhibitory polypeptide; anti-GIP antibody

PRODUCT SPECIFICATIONS

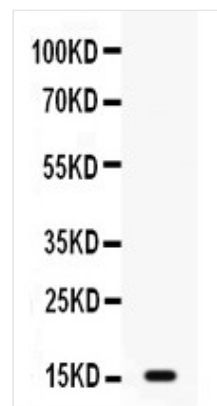
Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	153
Applicable Applications for anti-GIP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived 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.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

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



WB (Western Blot)

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 at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-GIP antibody	Rabbit IgG polyclonal antibody for Gastric inhibitory polypeptide (GIP) detection. 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.
References	1. Gaudin-Audrain C, Irwin N, Mansur S, Flatt PR, Thorens B, Baslé M, Chappard D, Mabilieu G (Mar 2013). "Glucose-dependent insulinotropic polypeptide receptor deficiency leads to modifications of trabecular bone volume and quality in mice". Bone 53 (1): 221-30. 2. Mieczkowska A, Irwin N, Flatt PR, Chappard D, Mabilieu G (Oct 2013). "Glucose-dependent insulinotropic polypeptide (GIP) receptor deletion leads to reduced bone strength and quality". Bone 56 (2): 337-42.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758436
NCBI GeneID	2695
NCBI Accession #	NP_004114.1
NCBI GenBank Nucleotide #	NM_004123.2
UniProt Accession #	P09681 ; Q4VB42 ; Q6NTD3
Molecular Weight	17,108 Da
NCBI Official Full Name	gastric inhibitory polypeptide preproprotein
NCBI Official Synonym Full Names	gastric inhibitory polypeptide
NCBI Official Symbol	GIP
NCBI Protein Information	gastric inhibitory polypeptide
UniProt Protein Name	Gastric inhibitory polypeptide
UniProt Gene Name	GIP
UniProt Synonym Gene Names	GIP
UniProt Entry Name	GIP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gip-antibody-immunohistochemistry-western-blot-elisa/46618>