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Datasheet for ABIN4886602 anti-GIP antibody (AA 52-93)

2 Images



Overview

Quantity:	100 µg
Target:	GIP
Binding Specificity:	AA 52-93
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Gastric inhibitory polypeptide(GIP) detection. Tested with WB, IHC-P in Human.
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.
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Gastric inhibitory polypeptide(GIP) detection. Tested with WB, IHC-P in Human. Gene Name: gastric inhibitory polypeptide Protein Name: Gastric inhibitory polypeptide
Purification:	Immunogen affinity purified.

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Target Details

Target:	GIP
Alternative Name:	GIP (GIP Products)
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.
	Synonyms: Gastric Inhibitory Peptide GIP P09681
Gene ID:	2695
UniProt:	P09681
Pathways:	Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, Hormone

Application Details

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Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
	IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling
	the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of
	formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized

Activity, Regulation of Lipid Metabolism by PPARalpha, Lipid Metabolism

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Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.
	It can also be aliquotted and stored frozen at -20 $^\circ\mathrm{C}$ for a longer time. Avoid repeated freezing
	and thawing.

Images

100KD -	Western Blotting
70KD -	Image 1. Western blot analysis of GIP expression in MCF-7
	whole cell lysates (Lane 1). GIP at 16KD was detected using
55KD —	rabbit anti- GIP Antigen Affinity purified polyclonal antibody
25//0	(Catalog #) at 0.5 ??g/mL. The blot was developed using
35KD-	chemiluminescence (ECL) method (Catalog # EK1002).
25KD -	



15KD -

Immunohistochemistry

Image 2. GIP was detected in paraffin-embedded sections of human pancreatic cancer tissues using rabbit anti- GIP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 μ g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

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