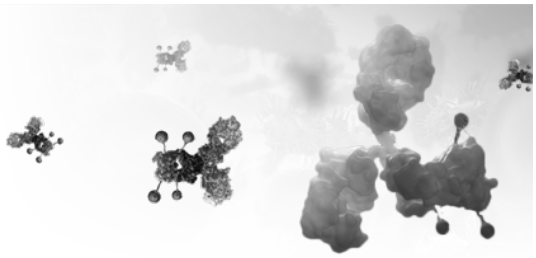

Mouse anti-Human GIP monoclonal antibody (CABT-B10325)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	CABT-B10325 recognises GIP. It cross reacts up to 10% with PACAP and GLP2 but <0.1% with glucagon, GLP1 or VIP.
Immunogen	A synthetic peptide corresponding to human GIP.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC, ELISA Recommended dilution: ELISA 1:100-1:2000; IHC 1:10-1:500 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid
Size	100 µg
Buffer	In 10 mM phosphate buffer, 500 mM NaCl, pH 7.4 (15 mM sodium azide)
Storage	Store in the dark at 4°C. Avoid prolonged exposure to light.

BACKGROUND

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Introduction	This gene encodes an incretin hormone and belongs to the glucagon superfamily. The encoded protein is important in maintaining glucose homeostasis as it is a potent stimulator of insulin secretion from pancreatic beta-cells following food ingestion and nutrient absorption. This gene stimulates insulin secretion via its G protein-coupled receptor activation of adenylyl cyclase and other signal transduction pathways. It is a relatively poor inhibitor of gastric acid secretion. [provided by RefSeq, Jul 2008]
Keywords	GIP; gastric inhibitory polypeptide; incretin hormone; glucose-dependent insulinotropic polypeptide;

GENE INFORMATION

Entrez Gene ID	2695
UniProt ID	P09681
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem
Function	hormone activity

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