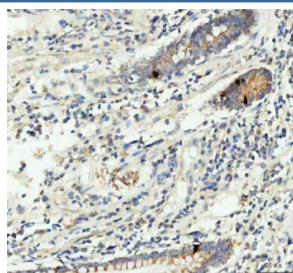


## GIP Antibody / Gastric inhibitory polypeptide (R32434)

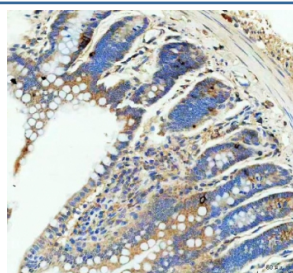
Catalog No.	Formulation	Size
R32434	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

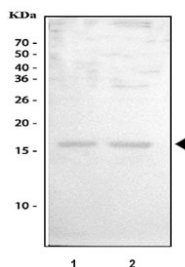
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P09681
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This GIP antibody is available for research use only.



IHC staining of FFPE human colorectal adenocarcinoma tissue with GIP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestine tissue with GIP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) A549 and 2) HepG2 cell lysate with GIP antibody.  
Expected molecular weight ~17 kDa.

## Description

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.

## Application Notes

Optimal dilution of the GIP antibody should be determined by the researcher.

## Immunogen

Amino acids Y52-Q93 from the human protein were used as the immunogen for the GIP antibody.

## Storage

After reconstitution, the GIP antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.