GIP polyclonal antibody

Catalog: BS7977 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Glucose-dependent insulinotropic polypeptide (GIP) is a major physiologic factor in the augmentation of the insulin response to oral glucose. GIP is a peptide hormone that is released postprandially from the small intestine and acts in concert with glucagon-like peptide (GLP)-1 to potentiate glucose-induced insulin secretion from the pancreatic β-cell. GIP has been shown to increase adenylyl cyclase activity, elevate intracellular calcium levels, and stimulate a mitogen-activated protein kinase pathway in the pancreatic β-cell. Additionally, nutrient protein provides a potent stimulus for GIP expression, an effect that occurs at the posttranslational level and may be mediated in part through the acid-stimulatory properties of protein. GIP release is demonstrated predominantly after ingestion of carbohydrate and fat and the effects of acid on GIP are consistent with a role for GIP as an enterogastrone.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 17 kDa

Swiss-Prot:

P09681

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:100-1:500

IHC-P: 1:50-1:200

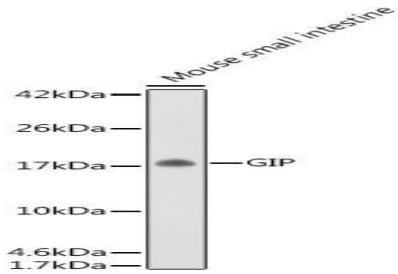
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

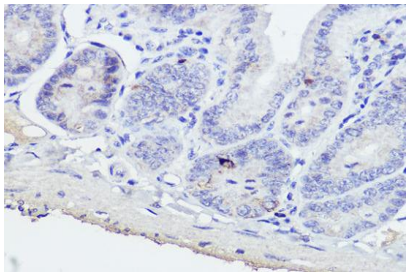
Specificity:

GIP polyclonal antibody detects endogenous levels of GIP protein.

DATA:



Western blot analysis of extracts of Mouse small intestine, using GIP antibody at 1:500 dilution.



Immunohistochemistry analysis of paraffin-embedded mouse intestin using GIP pAb at dilution of 1:50 (40x lens).

Note:

For research use only, not for use in diagnostic procedure.

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