



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Gastric Inhibitory Polypeptide (GIP)

Gastric Inhibitory Polypeptide (GIP) is a 42-amino acid peptide released by the K cells of the duodenum and jejunum in response to food intake. GIP, together with GLP (Gastric-like Peptide) are members of the hormone peptide family of Incretins which stimulate insulin secretion from pancreatic islet β -cells, and also appears to promote beta cell proliferation and beta cell survival. Recent studies suggest that GIP plays a role in lipid homeostasis and possibly in the pathogenesis of obesity.

This antibody was generated by immunization of rabbits with Gastric Inhibitory Polypeptide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4110 (Lot A08864)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, porcine
Quantity:	400 μ g
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.

Reconstitute by adding 0.2ml of distilled water.

Stability and Storage: Original vial: 1 year at 4° - 8°C from date of purchase.
Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

Immunogen: Synthetic peptide H-Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-His-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-Gly-Lys-Lys-Asn-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln-OH coupled to carrier protein.

Protein database: [human-P09681](#), [porcine-P01281](#)

Cross-Reactivity:

PEPTIDE	%
GIP (human)	100
GIP (porcine)	100
Gastrin I (human)	0
Big Gastrin I (human)	0

Cross-Reactivity:

PEPTIDE	%
Bombesin	0
Substance P	0
Insulin (human)	0
Amylin (human)	0

Applications:

Tested in ELISA against GIP and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended

Optimal dilutions should be determined by the end user
Please see **www.bma.ch** for protocols and general information

Related Products:

S-1273: ELISA extraction-free for human samples

T-4053: Rabbit anti Gastric Inhibitory Polypeptide, neat antiserum (hu)

T-4340: Rabbit anti Gastric Inhibitory Polypeptide, neat antiserum (po)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.