



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Gastric Inhibitory Polypeptide

Gastrin Inhibitory Polypeptide is a 42-amino acid peptide released by the K cells of the duodenum and jejunum in response to food intake. Together with 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 Gastrin Inhibitory Polypeptide plays a role in lipid homeostasis and possibly in the pathogenesis of obesity.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4052 (Lot A15539)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human, Porcine
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Reconstitute by adding 1.0 ml 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:	<u>human-P09681</u> , <u>porcine-P01281</u>
Cross-Reactivity:	

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

Cross-Reactivity:

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

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Gastrin Inhibitory Polypeptide. Other applications like FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

S-1209: ELISA high sensitivity for extracted samples

T-4342: Rabbit anti Big Gastrin-1, purified IgG, (hu)

T-4343: Rabbit anti Big Gastrin-1, neat antiserum, (hu)

T-4346: Rabbit anti Gastrin-1, purified IgG (hu)

T-4347: Rabbit anti Gastrin-1, neat antiserum, (hu)

T-4349: Rabbit anti Gastrin Releasing Peptide, diluted antiserum, (hu, po, ca)

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