



BMA BIOMEDICALS



Peninsula Laboratories

T-4052

Rabbit anti Gastrin Inhibitory Polypeptide (human, porcine) [UniProt: P09681, P01281]

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

Lot number:	A15539
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the 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. Store at 4°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Gastrin Inhibitory Polypeptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
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.

Cross-Reactivity:

PEPTIDE:	%
GIP (human)	100
GIP (porcine)	100
Gastrin I (human)	0
Big Gastrin I (human)	0
Bombesin	0
Substance P	0
Insulin (human)	0
Amylin (human)	0

Related Products: S-1209: ELISA, high sensitivity for extracted samples
T-4343: Rabbit anti Big Gastrin-1 (hu), neat antiserum
T-4347: Rabbit anti Gastrin-1 (hu), neat antiserum
T-4346: Rabbit anti Gastrin-1 (hu), purified IgG
T-4349: Gastrin Realising Peptide (ca, hu, po), diluted antiserum
T-4342: Rabbit anti Big Gastrin-1 (hu), purified IgG

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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diluted antiserum

1.3.2021