



BMA BIOMEDICALS



Peninsula Laboratories

T-4349

Rabbit anti Gastrin-Releasing Peptide (canine, human, porcine) [UniProt: P08989, P07492, P63153]

Gastrin-releasing peptide is a 27-amino acid peptide isolated from the gut. It stimulates the release of Gastrin and shares a common C-terminal decapeptide homology with bombesin. Gastrin-releasing peptide is known to be an important growth-modulating factor in developing lung epithelium. It is used as a tumor marker in the diagnosis of small-cell lung carcinoma.

This antibody was generated by immunization of rabbits with Gastrin-releasing peptide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A10290
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-releasing peptide. 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-Val-Pro-Leu-Pro-Ala-Gly-Gly-Gly-Thr-Val-Leu-Thr-Lys-Met-Tyr-Pro-Arg-Gly-Asn-His-Trp-Ala-Val-Gly-His-Leu-Met-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
Gastrin Releasing Peptide (human)	100
GRP (14-27) (porcine, human, canine)	100
Bombesin	100
GRP (porcine)	87
Ac-GRP (20-27) (human, porcine, canine)	78
GRP (1-16) (human)	0
GRP (1-16) (porcine)	0
Gastrin I (human)	0
Big Gastrin I (human)	0
GIP (human)	0
Substance P	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-4052: Rabbit anti Gastrin Inhibitory Polypeptide, 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