



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4350**  
**Rabbit anti Gastrin Releasing Peptide (GRP) (human)**  
**[UniProt: P07492]**

Gastrin-releasing peptide (GRP) is a neuropeptide that has been implicated in a number of physiological and pathophysiological processes. Most notably, GRP stimulates the release of gastrin from the G cells of the stomach. It is also known to be a regulatory human peptide that elicits gastrin release and regulates gastric acid secretion and enteric motor function. The post-ganglionic fibers of the vagus nerve that innervate the G cells of the stomach release GRP, which stimulates the G cells to release gastrin. GRP is also involved in the biology of the circadian system, playing a role in the signaling of light to the master circadian oscillator in the suprachiasmatic nuclei of the hypothalamus.

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

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	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.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Ala-Pro-Val-Ser-Val-Gly-Gly-Gly-Thr-Val-Leu-Ala-Lys-Met-Tyr-Pro-Arg-Gly-Asn-His-Trp-Ala-Val-Gly-His-Leu-Met-NH <sub>2</sub> coupled to a carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
GRP (human)	100
GRP (14-27) (human, porcine, canine)	100
Bombesin	100
GRP (porcine)	87
Acetyl-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-1405: ELISA, high sensitivity for extracted samples  
T-4351: Rabbit anti GRP (hu), neat antiserum  
T-4353: Rabbit anti GRP (po), diluted antiserum  
T-4354: Rabbit anti GRP (po), purified IgG  
T-4355: Rabbit anti GRP (po), neat antiserum

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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.

T-4350

rabbit IgG

1.3.2021