



BMA BIOMEDICALS



Peninsula Laboratories

---

## T-4846

### Rabbit anti Inactive Ghrelin (human) [UniProt: Q9UBU3]

Ghrelin is a 28-amino acid appetite stimulating peptide hormone secreted by enteroendocrine cells of the gastrointestinal tract (P/D1-type cells in humans), especially the stomach, and circulates in the bloodstream during fasting conditions. It is initially produced as the inactivate molecule, preproghrelin. Ghrelin is known to prepare for food intake by increasing gastric motility and gastric acid secretion. Recent findings have shown that inactive ghrelin levels may lead to poor growth in children by altering Growth Hormone secretion or decreasing appetite.

This antibody was generated by immunization of rabbits with Inactive Ghrelin coupled to a carrier protein.

---

#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A00474
<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 Inactive Ghrelin. 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-Gly-Ser-Ser(octanoyl)-Phe-Leu-Ser-Pro-Glu-His-Gln-Arg-Val-Gln-Gln-Arg-Lys-Glu-Ser-Lys-Lys-Pro-Pro-Ala-Lys-Leu-Gln-Pro-Arg-OH coupled to a carrier protein.

## Cross-Reactivity:

PEPTIDE:	%:
(Des-octanoyl)-Ghrelin (human)	100
Ghrelin (human)	0
Motilin (canine)	0
GRF (1-40) (human)	0
GRF (1-43) (rat)	0
Orexin A (human, rat, mouse, bovine)	0
Orexin B (human)	0
Orexin B (rat, mouse)	0
Secretin (human)	0
VIP (human, bovine, porcine, rat)	0
Galanin (human)	0
Galanin (rat)	0

## Related Products:

S-1222: ELISA, high sensitivity for extracted samples  
S-1225: ELISA, extraction-free for serum and plasma samples  
T-4745: Rabbit anti Ghrelin (hu), diluted antiserum  
T-4748: Rabbit anti Ghrelin (ms, rt), diluted antiserum  
T-4870: Rabbit anti Ghrelin (ms, rt), neat antiserum  
T-4746: Rabbit anti Ghrelin (hu), purified IgG  
T-4749: Rabbit anti Ghrelin (ms, rt), 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.

T-4846

rabbit IgG

1.3.2021