



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Ghrelin

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 known to prepare for food intake by increasing gastric motility and gastric acid secretion. Ghrelin has several functions including activation of cells in the anterior pituitary gland and hypothalamic arcuate nucleus that initiate appetite, stimulation of brain structures having a specific receptor – the growth hormone secretagogue receptor 1A (GHSR-1A), and also participation in other regulations such as learning and memory, the sleep-wake cycle, taste sensation, reward behavior, and glucose metabolism.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4746 (Lot 022807)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
	Reconstitute by adding 0.2ml 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-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 carrier protein.
Protein database:	<u>human-Q9UBU3</u>

Cross-Reactivity:

PEPTIDE:	%:
Ghrelin (human)	100
Ghrelin (rat)	0
Motilin (canine)	0
GRF (human)	0
GRF (rat)	0
Orexin A (human, bovine, rat, mouse)	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

Applications:

Tested in ELISA against Ghrelin and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

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

Related Products:

S-1222: ELISA, high sensitivity for extracted samples
T-4747: Rabbit anti Ghrelin (hu), neat antiserum
S-1225: ELISA, extraction-free for serum and plasma samples
T-4748: Rabbit anti Ghrelin (ms, rt), diluted antiserum
T-4750: Rabbit anti Ghrelin (ms, rt), neat antiserum
T-4846: Rabbit anti Inactive 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. Not for diagnostic or therapeutic applications.

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