



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4821

### Rabbit anti Obestatin (rat) [UniProt: Q9QYH7]

Obestatin is a hormone that is produced in specialized epithelial cells of the stomach and small intestine of several animals including humans. It opposes the actions of ghrelin which are growth hormone secretion and increased appetite. The purpose of producing two hormones with opposing effects is not clear: removing the ghrelin gene from mice did not significantly reduce food intake. No secretory convertase is capable of cleaving the recombinant proghrelin precursor by cleavage at the single basic residue required for generation of the obestatin sequence. Thus, the physiological generation of this particular peptide sequence remains unproven. Obestatin has opposite action to ghrelin on food intake and plays a role in energy balance. Circuit-resistance exercise resulted in a significant change in GH levels, but had no effect on plasma Obestatin levels.

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

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A07193
<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 Obestatin. 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-Phe-Asn-Ala-Pro-Phe-Asp-Val-Gly-Ile-Lys-Leu-Ser-Gly-Val-Gln-Tyr-Gln-Gln-His-Ser-Gln-Ala-Leu-NH <sub>2</sub> coupled to a carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
Obestatin (rat)	100
Obestatin (human)	0.2
Ghrelin (rat)	0
Neuropeptide Y (human, rat)	0
ACTH (rat)	0
BNP-32 (rat)	0
β-Endorphin (rat)	0

Related Products:                   T-4820: Rabbit anti Obestatin (hu), purified IgG  
  S-1284: ELISA, high sensitivity for extracted samples

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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.

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rabbit IgG

1.3.2021