

Product datasheet for **TA364264**

MTLRP (GHRL) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Ghrelin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
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.
Formulation:	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.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	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.
Gene Name:	ghrelin/obestatin prepropeptide
Database Link:	Entrez Gene 51738 Human Q9UBU3



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Background:

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.

Synonyms:

ghrelin; ghrelin/obestatin; MTLRP; obestatin; OTTHUMP00000207794;
OTTHUMP00000207795; OTTHUMP00000207796; OTTHUMP00000207798