



Datasheet for ABIN668991
anti-Ghrelin antibody (AA 31-117)



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1 Image

6 Publications

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Ghrelin (GHRL) |
| Binding Specificity: | AA 31-117 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Ghrelin antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human Ghrelin |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Dog,Cow,Sheep,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|---------|----------------|
| Target: | Ghrelin (GHRL) |
|---------|----------------|

Target Details

Alternative Name: Ghrelin ([GHRL Products](#))

Background: Synonyms: MTLRP, Appetite-regulating hormone, Growth hormone secretagogue, Growth hormone-releasing peptide, Motilin-related peptide, Protein M46, GHRL, UNQ524/PRO1066
Background: Ghrelin is the ligand for growth hormone secretagogue receptor type 1 (GHSR). Induces the release of growth hormone from the pituitary. Has an appetite-stimulating effect, induces adiposity and stimulates gastric acid secretion. Involved in growth regulation. Obestatin may be the ligand for GPR39. May have an appetite-reducing effect resulting in decreased food intake. May reduce gastric emptying activity and jejunal motility (By similarity).

Gene ID: 51738

UniProt: [Q9UBU3](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Transport](#), [Peptide Hormone Metabolism](#), [Negative Regulation of Hormone Secretion](#), [Synaptic Membrane](#), [Feeding Behaviour](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

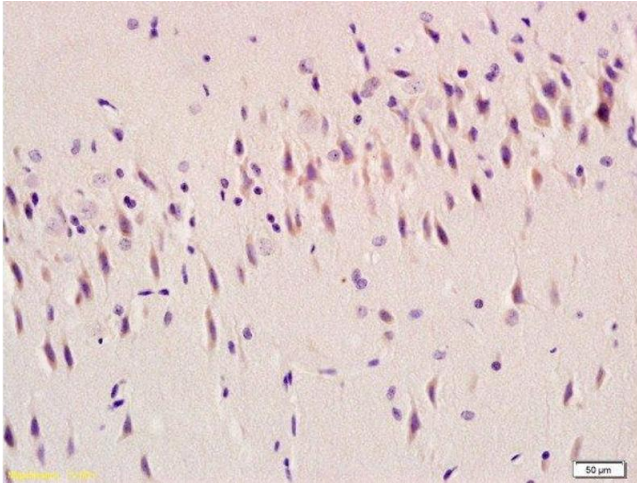
Handling

| | |
|------------------|---|
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Publications

- Product cited in:
- Liu, Liu, Li, Chen, Gu et al.: "Ghrelin protects the myocardium with hypoxia/reoxygenation treatment through upregulating the expression of growth hormone, growth hormone secretagogue receptor and insulin-like growth factor-1, and ..." in: **International journal of molecular medicine**, Vol. 42, Issue 6, pp. 3037-3046, (2019) ([PubMed](#)).
- Wölnerhanssen, Moran, Burdyga, Meyer-Gerspach, Peterli, Manz, Thumshirn, Daly, Beglinger, Shirazi-Beechey: "Deregulation of transcription factors controlling intestinal epithelial cell differentiation; a predisposing factor for reduced enteroendocrine cell number in morbidly obese individuals." in: **Scientific reports**, Vol. 7, Issue 1, pp. 8174, (2017) ([PubMed](#)).
- Dai, Jiang, Yuan, Yang, Yang, Huang: "Effects of zearalenone-diet on expression of ghrelin and PCNA genes in ovaries of post-weaning piglets." in: **Animal reproduction science**, Vol. 168, pp. 126-37, (2016) ([PubMed](#)).
- Lemarié, Beauchamp, Dayot, Duby, Legrand, Rioux: "Dietary Caprylic Acid (C8:0) Does Not Increase Plasma Acylated Ghrelin but Decreases Plasma Unacylated Ghrelin in the Rat." in: **PLoS ONE**, Vol. 10, Issue 7, pp. e0133600, (2015) ([PubMed](#)).
- Wang, Song, Li, Liu, Ma, Mao, Wu, Wu, Li, Guan, Liu: "Effects of Wen Dan Tang on insomnia-related anxiety and levels of the brain-gut peptide Ghrelin." in: **Neural regeneration research**, Vol. 9, Issue 2, pp. 205-12, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-Ghrelin Polyclonal Antibody , Unconjugated at 1:100, followed by conjugation to the secondary antibody and DAB staining