



Rabbit Anti-Ghrelin 28 (n-octanoyl Ser26) antibody

SL10413R

Product Name:	Ghrelin 28 (n-octanoyl Ser26)
Chinese Name:	辛酰基化脑肠肽抗体
Alias:	Ghrelin 28 [Ser26 (n-octanoyl)]; Appetite regulating hormone; Ghrelin 27; Ghrelin 28; Ghrelin/obestatin prepropeptide; GHRL; Growth hormone releasing peptide; Growth hormone secretagogue; M46 protein; Motilin related peptide; MTLRP; Obestatin; Obestatin preprohormone; PRO1066; UNQ524; GHRL_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	3/12kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised n-octanoyl-peptide derived from human Ghrelin 28 around the (n-octanoyl Ser26):GS(n-octanoyl-S)FL
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes ghrelin-obestatin preproprotein, which generates ghrelin and

obestatin. Ghrelin is an endogenous ligand for the growth hormone secretagogue receptor and is involved in regulating growth hormone release. Obestatin was initially reported to be an endogenous ligand for the orphan G protein-coupled receptor GPR39 and was involved in satiety and decreased food intake; however, these findings are controversial. Recent reports show that obestatin is involved in inhibiting thirst and anxiety, improving memory, regulating sleep, affecting cell proliferation, and increasing the secretion of pancreatic juice enzymes. Alternative promoters and alternative splicing result in multiple transcript variants, some of which encode different protein isoforms and some of which do not encode a protein but may regulate the ghrelin-obestatin preproprotein expression. In addition, antisense transcripts for this gene have been identified and may also function in regulation of the ghrelin-obestatin preproprotein expression. [provided by RefSeq, Oct 2008].

Function:

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.

Subcellular Location:

Secreted.

Tissue Specificity:

Highest level in stomach. All forms are found in serum as well. Other tissues compensate for the loss of ghrelin synthesis in the stomach following gastrectomy.

Post-translational modifications:

O-octanoylation or O-decanoylation is essential for ghrelin activity. The O-decanoylated forms Ghrelin-27-C10 and Ghrelin-28-C10 differ in the length of the carbon backbone of the carboxylic acid bound to Ser-26. A small fraction of ghrelin, ghrelin-28-C10:1, may be modified with a singly unsaturated carboxylic acid.

Amidation of Leu-98 is essential for obestatin activity.

Similarity:

Belongs to the motilin family.

SWISS:

Q9UBU3

Gene ID:

51738

Database links:

[Entrez Gene: 51738](#) Human

[Entrez Gene: 58991](#) Mouse

[Entrez Gene: 59301](#) Rat

[Entrez Gene: 574280](#) Rhesus monkey

[Omim: 605353](#) Human

[SwissProt: Q6BEG6](#) Cat

[SwissProt: Q9BEF8](#) Dog

[SwissProt: Q9UBU3](#) Human

[SwissProt: Q9EQX0](#) Mouse

[SwissProt: Q9GKY5](#) Pig

[SwissProt: Q9QYH7](#) Rat

[Unigene: 590080](#) Human

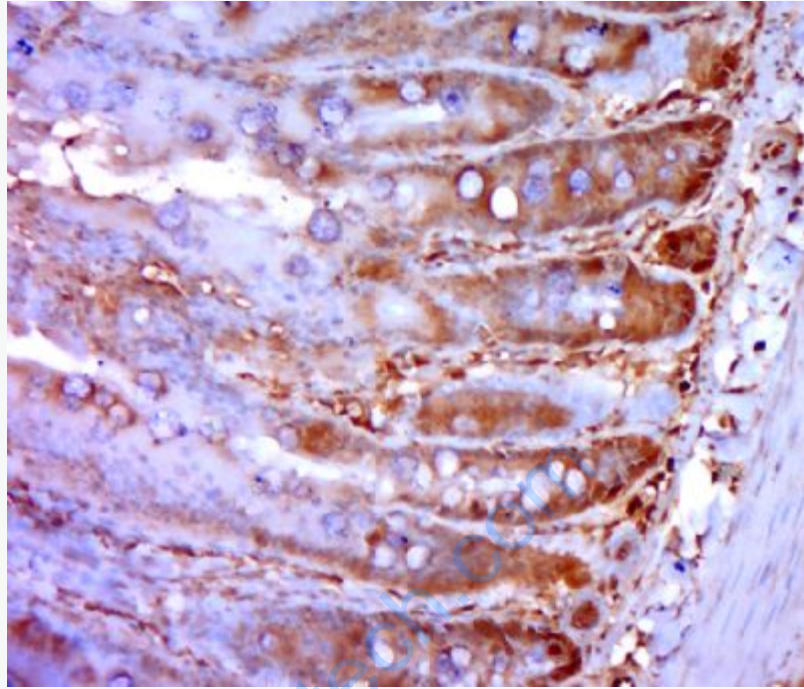
[Unigene: 672979](#) Human

[Unigene: 379095](#) Mouse

[Unigene: 42103](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat intestine tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ghrelin 28 (n-octanoyl Ser26)) Polyclonal Antibody, Unconjugated (SL10413R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.