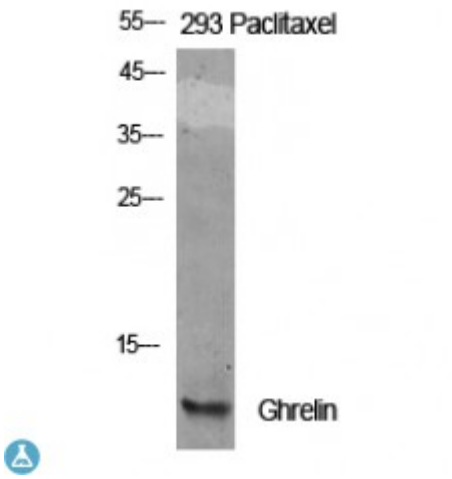
Anti-Ghrelin antibody



Description	Rabbit polyclonal to Ghrelin.

Model	STJ93265
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Ghrelin.
Immunogen Region	Internal
Gene ID	51738
Gene Symbol	GHRL
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	Ghrelin Polyclonal Antibody detects endogenous levels of Ghrelin protein.
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Appetite-regulating hormone Growth hormone secretagogue Growth hormone-releasing peptide Motilin-related peptide Protein M46 Ghrelin-27 Ghrelin-28 Ghrelin Obestatin

Molecular Weight	13 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:18129OMIM:605353
Alternative Names	Appetite-regulating hormone Growth hormone secretagogue Growth hormone-releasing peptide Motilin-related peptide Protein M46 Ghrelin-27 Ghrelin-28 Ghrelin Obestatin
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 .
Cellular Localization	Secreted.
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.