

Product datasheet

Anti-Ghrelin antibody ab19314

Overview

Product name	Anti-Ghrelin antibody
Description	Rabbit polyclonal to Ghrelin
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: GSSFLSPEHQVRVQQRKESKKPPAKLPQR , corresponding to amino acids 24-51 of Human Ghrelin Run BLAST with Run BLAST with

Positive control

Purchase matching WB positive control:
Recombinant Human Ghrelin protein >

PA1-1046 detects recombinant human ghrelin. This antibody detect both the octanoylated and non-octanoylated forms of ghrelin. ab19314 has been successfully used in Western blot procedures. By Western blot, this antibody detects an ~3 kDa protein representing recombinant human ghrelin.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab19314** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 3 kDa (predicted molecular weight: 3 kDa).

Target

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.
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.
Sequence similarities	Belongs to the motilin family.
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.
Cellular localization	Secreted.

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