

Product datasheet

Anti-Ghrelin antibody ab19314

Overview

<b>Product name</b>	Anti-Ghrelin antibody
<b>Description</b>	Rabbit polyclonal to Ghrelin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide: GSSFLSPEHQRVQQRKESKKPPAKLPQR , corresponding to amino acids 24-51 of Human Ghrelin <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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).
<b>Target</b>		
<b>Function</b>		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.
<b>Tissue specificity</b>		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.
<b>Sequence similarities</b>		Belongs to the motilin family.
<b>Post-translational modifications</b>		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.
<b>Cellular localization</b>		Secreted.

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