GHRL Antibody

Catalog No: #43730

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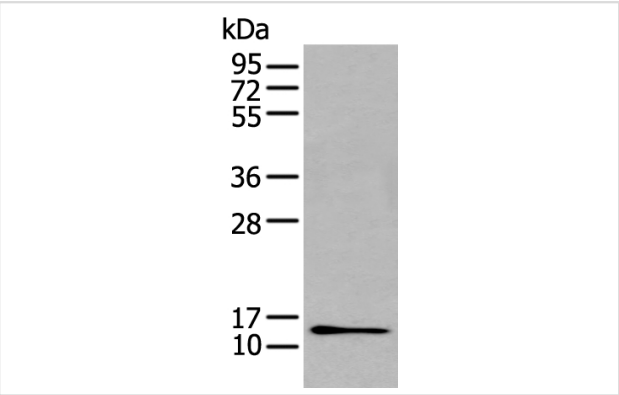
Description

Product Name	GHRL Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GHRL protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human GHRL
Target Name	GHRL
Other Names	MTLRP
Accession No.	Swiss-Prot#: Q9UBU3NCBI Gene ID: 51738
Uniprot	Q9UBU3
GeneID	51738;
Calculated MW	13kd
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1000

Images



Gel: 12%SDS-PAGE
Lysate: 40 µg, Lane: Hela cell lysate,
Primary antibody:GHRL antibody at dilution 1/400 dilution,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 1 minute

Background

This gene encodes the ghrelin-obestatin preproprotein that is cleaved to yield two peptides, ghrelin and obestatin. Ghrelin is a powerful appetite stimulant and plays an important role in energy homeostasis. Its secretion is initiated when the stomach is empty, whereupon it binds to the growth

hormone secretagogue receptor in the hypothalamus which results in the secretion of growth hormone (somatotropin). Ghrelin is thought to regulate multiple activities, including hunger, reward perception via the mesolimbic pathway, gastric acid secretion, gastrointestinal motility, and pancreatic glucose-stimulated insulin secretion. It was initially proposed that obestatin plays an opposing role to ghrelin by promoting satiety and thus decreasing food intake, but this action is still debated. Recent reports suggest multiple metabolic roles for obestatin, including regulating adipocyte function and glucose metabolism. Alternative splicing results in multiple transcript variants. In addition, antisense transcripts for this gene have been identified and may potentially regulate ghrelin-obestatin preproprotein expression.

Note: This product is for in vitro research use only