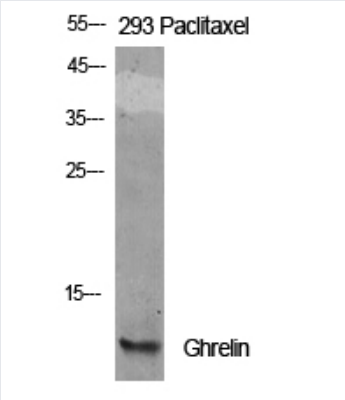
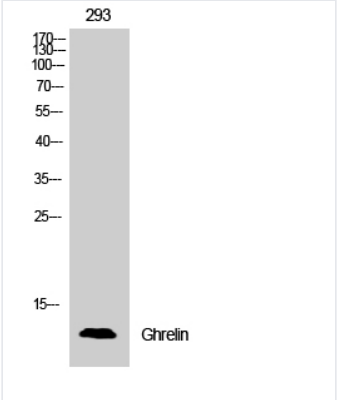
Ghrelin (GHRL) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

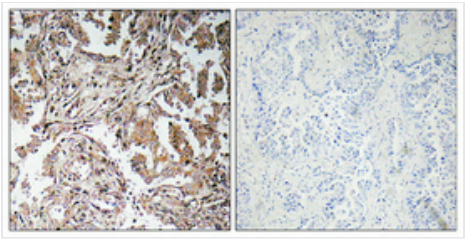
Product Name	Ghrelin (GHRL), Polyclonal Antibody
Full Product Name	Ghrelin Polyclonal Antibody
Product Gene Name	anti-GHRL antibody
Product Synonym Names	GHRL; MTLRP; Appetite-regulating hormone; Growth hormone secretagogue; Growth hormone-releasing peptide; Motilin-related peptide; Protein M46
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	117
OMIM	605353
3D Structure	ModBase 3D Structure for Q9UBU3
Applications Tested/Suitable for anti-GHRL antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-GHRL antibody	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.
Other Notes	Small volumes of anti-GHRL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GHRL purchase	MBS9243763 is an antibody targeting GHRL. Also known as Ghrelin Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Wester Blot (WB) of anti-GHRL antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.



Western Blot (WB) of anti-GHRL antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.



Immunohistochemistry (IHC)-Paraffin of anti-GHRL antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GHRL. It may not necessarily be applicable to this product.

NCBI GI #	17865471
NCBI GeneID	51738
NCBI Accession #	Q9UBU3.1
UniProt Primary Accession #	Q9UBU3
UniProt Secondary Accession #	Q86YP8; Q8TAT9; Q9H3R3; A8CF34; A8CF38; A8CF42; A8DN29; A8DN30
UniProt Related Accession #	Q9UBU3
NCBI Official Full Name	Appetite-regulating hormone
NCBI Official Synonym Full Names	ghrelin/obestatin prepropeptide
NCBI Official Symbol	GHRL
NCBI Official Synonym Symbols	MTLRP
UniProt Protein Name	Appetite-regulating hormone
UniProt Synonym Protein Names	Growth hormone secretagogue; Growth hormone-releasing peptide; Motilin-related peptide; Protein M46Cleaved into the following 3 chains:Ghrelin-27; Ghrelin-28; Ghrelin; Obestatin
Protein Family	Appetite-regulating hormone
UniProt Gene Name	GHRL
UniProt Synonym Gene Names	MTLRP; Ghrelin
UniProt Entry Name	GHRL_HUMAN
NCBI Protein Information	appetite-regulating hormone; motilin-related peptide; ghrelin/obestatin preprohormone; growth hormone-releasing peptide; prepro-appetite regulatory hormone; ghrelin, growth hormone secretagogue receptor ligand
NCBI Summary for GHRL	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. [provided by RefSeq, Nov 2014]

UniProt Comments for GHRL	ghrelin: a hormone that binds to the growth hormone secretagogue receptor type 1 (GHSR). Secreted by the stomach Protein type: Secreted; Cell development/differentiation; Cell cycle regulation; Secreted, signal peptide; Apoptosis Chromosomal Location of Human Ortholog: 3p26-p25 Cellular Component: extracellular space; endoplasmic reticulum lumen; axon; extracellular region Molecular Function: growth hormone-releasing hormone activity; G-protein-coupled receptor binding; ghrelin receptor binding; protein tyrosine kinase activator activity Biological Process: cortisol secretion; negative regulation of circadian sleep/wake cycle, REM sleep; positive regulation of cortisol secretion; hormone-mediated signaling; activation of MAPK activity; response to hormone stimulus; negative regulation of interleukin-6 biosynthetic process; positive regulation of multicellular organism growth; decidualization; positive regulation of adrenocorticotropic hormone secretion; negative regulation of insulin secretion; growth hormone secretion; elevation of cytosolic calcium ion concentration; negative regulation of locomotion; positive regulation of appetite; dendrite development; negative regulation of tumor necrosis factor biosynthetic process; positive regulation of circadian sleep/wake cycle, non-REM sleep; regulation of response to food; gastric acid secretion; positive regulation of insulin secretion; glucose metabolic process; adult feeding behavior; negative regulation of interleukin-1 beta production; regulation of cell proliferation; positive regulation of growth hormone secretion; positive regulation of synaptogenesis; G-protein coupled receptor protein signaling pathway; negative regulation of angiogenesis; cellular protein metabolic process; response to estrogen stimulus; negative regulation of inflammatory response; cartilage development; actin polymerization and/or depolymerization; negative regulation of endothelial cell proliferation; regulation of excitatory postsynaptic membrane potential; negative regulation of apoptosis Disease: Obesity
Research Articles on GHRL	**1.** Fasting plasma ghrelin levels were significantly lower in type 2 diabetes patients compared to controls.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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