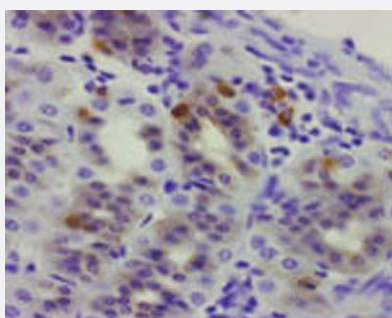


GHRL polyclonal antibody

Catalog # PAB14308

Size 50 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Paraffin-embedded sheep abomasum was incubated in GHRL polyclonal antibody (Cat # PAB14308) at the dilution of 1 : 1000 overnight followed by incubation with biotinylated secondary antibodies. Cell bodies and nerve terminals in the sheep abomasum are intensely stained. This figure shows staining of cells when no pre-absorption is performed.

Specification

Product Description	Guinea pig polyclonal antibody raised against synthetic peptide of GHRL.
Immunogen	A synthetic peptide (conjugated with carrier protein) corresponding to amino acids 24-51 of human G HRL.
Sequence	GSSFLSPEHQRVQQRKESKKPPAKLQPR
Host	Guinea pig
Reactivity	Human, Sheep
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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Gene Info — GHRL

Entrez GeneID [51738](#)

Protein Accession# [Q9UBU3](#)

Gene Name GHRL

Gene Alias MTLRP, obestatin

Gene Description ghrelin/obestatin prepropeptide

Omim ID [601665 605353](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes ghrelin-obestatin preproprotein, which generates ghrelin and obestatin. Ghrelin is an endogenous ligand for the growth hormone secretagogue receptor and is involved in regulating growth hormone release. Obestatin was initially reported to be an endogenous ligand for the orphan G protein-coupled receptor GPR39 and was involved in satiety and decreased food intake; however, these findings are controversial. Recent reports show that obestatin is involved in inhibiting thirst and anxiety, improving memory, regulating sleep, affecting cell proliferation, and increasing the secretion of pancreatic juice enzymes. Alternative promoters and alternative splicing result in multiple transcript variants, some of which encode different protein isoforms and some of which do not encode a protein but may regulate the ghrelin-obestatin preproprotein expression. In addition, antisense transcripts for this gene have been identified and may also function in regulation of the ghrelin-obestatin preproprotein expression. [provided by RefSeq]

Other Designations ghrelin, growth hormone secretagogue receptor ligand|ghrelin/obestatin|ghrelin/obestatin preprohormone|motilin-related peptide

Publication Reference

- [Ghrelin: discovery of the natural endogenous ligand for the growth hormone secretagogue receptor.](#)

Kojima M, Hosoda H, Matsuo H, Kangawa K.

Trends in Endocrinology and Metabolism 2001 Apr; 12(3):118.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Appetite](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Body Image](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Bulimia Nervosa](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)

- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Drug Toxicity](#)
- [Eating Disorders](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Myocardial Infarction](#)
- [NARP](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Panic Disorder](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)

- [Reward](#)
- [Schizophrenia](#)
- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)