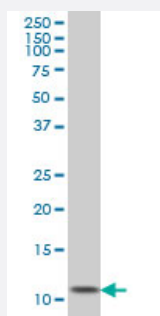


GHRL monoclonal antibody (M01), clone 2F4

Catalog # H00051738-M01

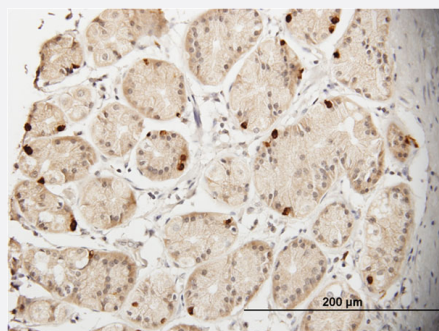
Size 100 ug

Applications



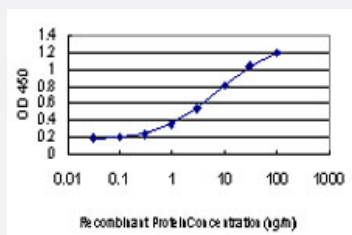
Western Blot (Cell lysate)

GHRL monoclonal antibody (M01), clone 2F4. Western Blot analysis of GHRL expression in HeLa.



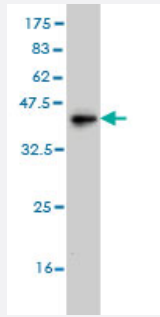
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GHRL on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.5 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GHRL is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (38.61 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GHRL.
Immunogen	GHRL (AAH25791.1, 1 a.a. ~ 117 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPSPGTVCSLLLLGMLWLDLAMAGSSFLSPEHQRVQQRKESKKPPAKLQPRALAGWLRPEDG GQAEGAEDEMEVRFNAPFDVGILSGVQYQQHSQALGKFLQDILWEEAKEAPADK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.61 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

GHRL monoclonal antibody (M01), clone 2F4. Western Blot analysis of GHRL expression in HeLa.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to GHRL on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GHRL is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GHRL

Entrez GeneID [51738](#)

GeneBank Accession# [BC025791](#)

Protein Accession# [AAH25791.1](#)

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

- [Mapping of Ghrelin Gene Expression and Cell Distribution in the Stomach of Morbidly Obese Patients-a Possible Guide for Efficient Sleeve Gastrectomy Construction.](#)

Goitein D, Lederfein D, Tzioni R, Berkenstadt H, Venturero M, Rubin M.

Obesity Surgery 2012 Apr; 22(4):617.

Application: IHC-P, Human, Stomach specimens

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](#)