10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GHRL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GHRL.
Catalog # AT2199a

Product Information

Application	WB, IHC, E
Primary Accession	Q9UBU3
Other Accession	BC025791
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2F4
Calculated MW	12911

Additional Information

Gene ID	51738
Other Names	Appetite-regulating hormone, Growth hormone secretagogue, Growth hormone-releasing peptide, Motilin-related peptide, Protein M46, Ghrelin-27, Ghrelin-28, Ghrelin, Obestatin, GHRL, MTLRP
Target/Specificity	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.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GHRL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

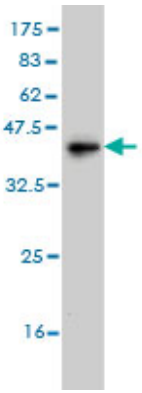
This gene encodes ghrelin-obestatin preproprotein, which generates ghrelin and obestatin. Ghrelin is an endogenous ligand for the growth hormone secretagogue receptor and is involved in regulating growth hormone release. Obestatin was initially reported to be an endogenous ligand for the orphan G protein-coupled 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.

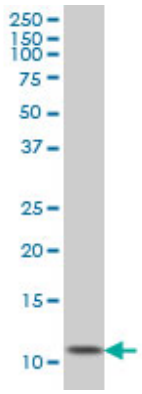
References

1.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.Obes Surg. 2012 Jan 10. [Epub ahead of print]

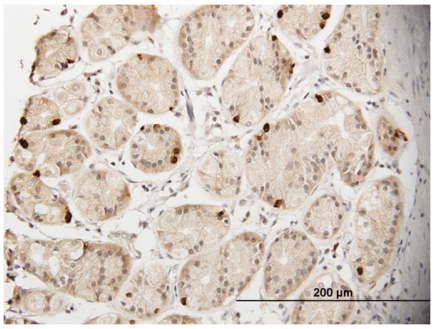
Images



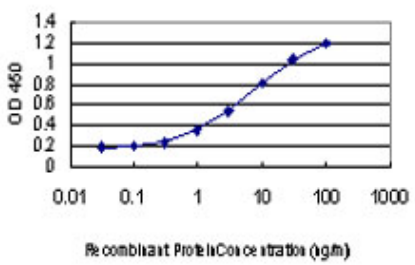
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (38.61 KDa) .



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



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



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