



Anti-GHRL (full length) polyclonal antibody (DPAB-DC2204)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	GHRL (AAH25791.1, 1 a.a. ~ 117 a.a) full-length recombinant protein with GST tag. The sequence is MPSPGTVCSLLLLGMLWLDLAMAGSSFLSPEHQVRVQQRKESKKPPAKLQPRALAGWLRPE DGGQAEGAEDEMEVRFNAPFDVGILSGVQYQQHSQALGKFLQDILWEEAKEAPADK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GHRL ghrelin/obestatin prepropeptide [Homo sapiens (human)]
Official Symbol	GHRL
Synonyms	GHRL; ghrelin/obestatin prepropeptide; MTLRP; appetite-regulating hormone; motilin-related peptide; growth hormone secretagogue; ghrelin/obestatin preprohormone; growth hormone-releasing peptide; prepro-appetite regulatory hormone; ghrelin, growth hormone secretagogue receptor ligand;
Entrez Gene ID	51738
Protein Refseq	NP_001128413
UniProt ID	Q9UBU3
Chromosome Location	3p26-p25
Pathway	Class A/1 (Rhodopsin-like receptors); GPCR downstream signaling; Gastrin-CREB signalling pathway via PKC and MAPK; Peptide hormone metabolism
Function	G-protein coupled receptor binding; ghrelin receptor binding; growth hormone-releasing hormone activity; protein tyrosine kinase activator activity