



Anti-Ghrelin polyclonal antibody (DPAB3861)

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

PRODUCT INFORMATION

Product Overview	Guinea pig polyclonal to human ghrelin.
Antigen Description	Ghrelin is the ligand for growth hormone secretagogue receptor type 1 (GHSR) and upon binding to the receptor it induces the release of growth hormone from the pituitary. This ligand has an appetite-stimulating effect and is involved in growth regulation.
Specificity	Specificity was demonstrated by immunohistochemistry.
Immunogen	A synthetic peptide (GSSFLSPEHQRVQQRKESKKPPAKLQPR) corresponding to the amino acids from human ghrelin. This peptide was conjugated to carrier protein to enhance the immunological response.
Isotype	Whole serum
Source/Host	Guinea pig
Species Reactivity	Human
Clone	25-52
Conjugate	Unconjugated
Applications	IHC
Reconstitution	Reconstitute in 50 µl sterile water. Centrifuge to remove any insoluble material.
Format	Lyophilised
Size	50 µl
Preservative	None
Storage	It is recommended that a thawed sample is stored at 4°C for no longer than 2 weeks. Allocation

of appropriate anti-bacterial agent can increase shelf life by several weeks. Diluted serum should be prepared as required. Long term stability requires storage, preferably in small aliquots at -20°C or lower. Glycerol (1:1) can be added to neat serum for additional stability if intended use does not prevent this.

BACKGROUND

Introduction

Ghrelin is a 28 amino acid peptide and hormone that is produced mainly by P/D1 cells lining the fundus of the human stomach and epsilon cells of the pancreas that stimulates hunger. Ghrelin levels increase before meals and decrease after meals. It is considered the counterpart of the hormone leptin, produced by adipose tissue, which induces satiation when present at higher levels. In some bariatric procedures, the level of ghrelin is reduced in patients, thus causing satiation before it would normally occur.

Keywords

Appetite regulating hormone; Ghrelin 27; Ghrelin 28; Ghrelin; Ghrelin/obestatin prepropeptide; ghrl; GHRL_HU-MAN; Growth hormone releasing peptide; Growth hormone secretagogue; Growth hormone-releasing peptide; M46 protein; Motilin related peptide; Motilin-related peptide; MTLRP; Obestatin; Protein M46

GENE INFORMATION

Entrez Gene ID

[51738](#)

UniProt ID

[Q9UBU3](#)
