

For Research Use Only

ProGRP Polyclonal antibody

Catalog Number: 14646-1-AP

1 Publications



Basic Information

Catalog Number:

14646-1-AP

Size:

230 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6239

GenBank Accession Number:

BC004488

GeneID (NCBI):

2922

UNIPROT ID:

P07492

Full Name:

gastrin-releasing peptide

Calculated MW:

16 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

IHC

Species Specificity:

human

Cited Species:

chimpanzee

Background Information

Gastrin-releasing peptide, also known as GRP, is normally formed by mucosal cells in the gastric antrum and by the D cells of the pancreatic islets, and its main function is to stimulate secretion of HCl by the gastric mucosa. HCl, in turn, inhibits gastrin formation. Its 148-amino acid preproprotein, following cleavage of a signal peptide, is further processed to produce either the 27-amino acid gastrin-releasing peptide or the 10-amino acid neuromedin C. These smaller peptides regulate numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation. These peptides are also likely to play a role in human cancers of the lung, colon, stomach, pancreas, breast, and prostate.

Notable Publications

Author	Pubmed ID	Journal	Application
Allman John M JM	20512377	Brain Struct Funct	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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