

For Research Use Only

# ProGRP Polyclonal antibody

Catalog Number: 14646-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 14646-1-AP	<b>GenBank Accession Number:</b> BC004488	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2922	
<b>Source:</b> Rabbit	<b>Full Name:</b> gastrin-releasing peptide	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 16 kDa	
<b>Immunogen Catalog Number:</b> AG6239		

## 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 MJM	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

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data