

## Rabbit Anti-Gastrin Releasing Peptide antibody

SL0011R

**Product Name** Gastrin Releasing Peptide

**Chinese Name** 促胃泌素释放肽抗体

**Alias** Gastrin releasing peptides; BN; Bombesin; GRP 10; GRP; GRP10; Neuromedin C; NeuromedinC; Pre progastrin releasing peptide; preproGRP; proGRP; GRP\_HUMAN.

**Research Area** Tumour Neurobiology Growth factors and hormones

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human,  
IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 3/14kDa

**Cellular localization** Secretory protein

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human GRP: 24-50/148

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

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This gene encodes a member of the bombesin-like family of gastrin-releasing peptides. The encoded preproprotein is proteolytically processed to generate two peptides, gastrin-releasing peptide and neuromedin-C. These 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016].

**Function:**

GRP stimulates gastrin release as well as other gastrointestinal hormones. Operates as a negative feedback regulating fear and established a causal relationship between GRP-receptor gene expression, long-term potentiation, and amygdala-dependent memory for fear.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Highly expressed both in the lateral nucleus of the amygdala, and in regions sending synaptic projections to the lateral nucleus.

**Similarity:**

Belongs to the bombesin/neuromedin-B/ranatensin family.

**SWISS:**

P07492

**Gene ID:**

2922

**Database links:**

[Entrez Gene: 2922](#) Human

[Entrez Gene: 225642](#) Mouse

[Entrez Gene: 171101](#) Rat

[Omim: 137260](#) Human

[SwissProt: P07492](#) Human

**Product  
Detail**

[SwissProt: Q8R1I2](#) Mouse

[SwissProt: P63153](#) Pig

[SwissProt: P24393](#) Rat

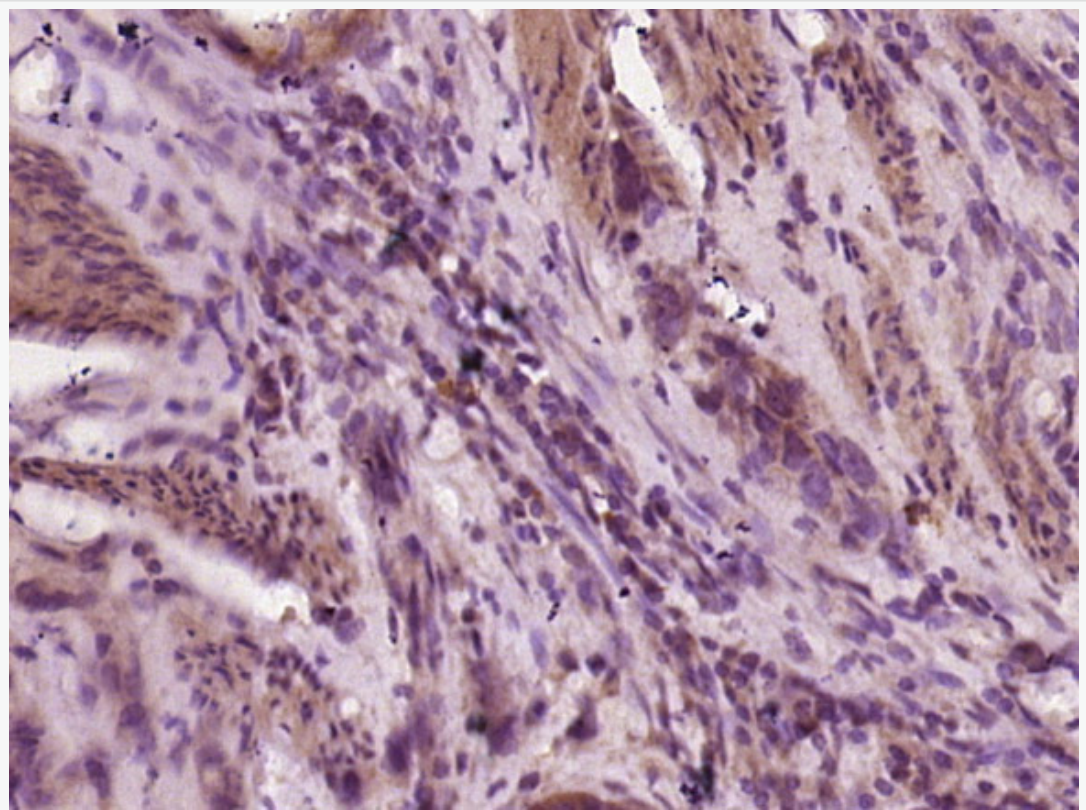
[Unigene: 153444](#) Human

[Unigene: 20298](#) Mouse

[Unigene: 10930](#) Rat

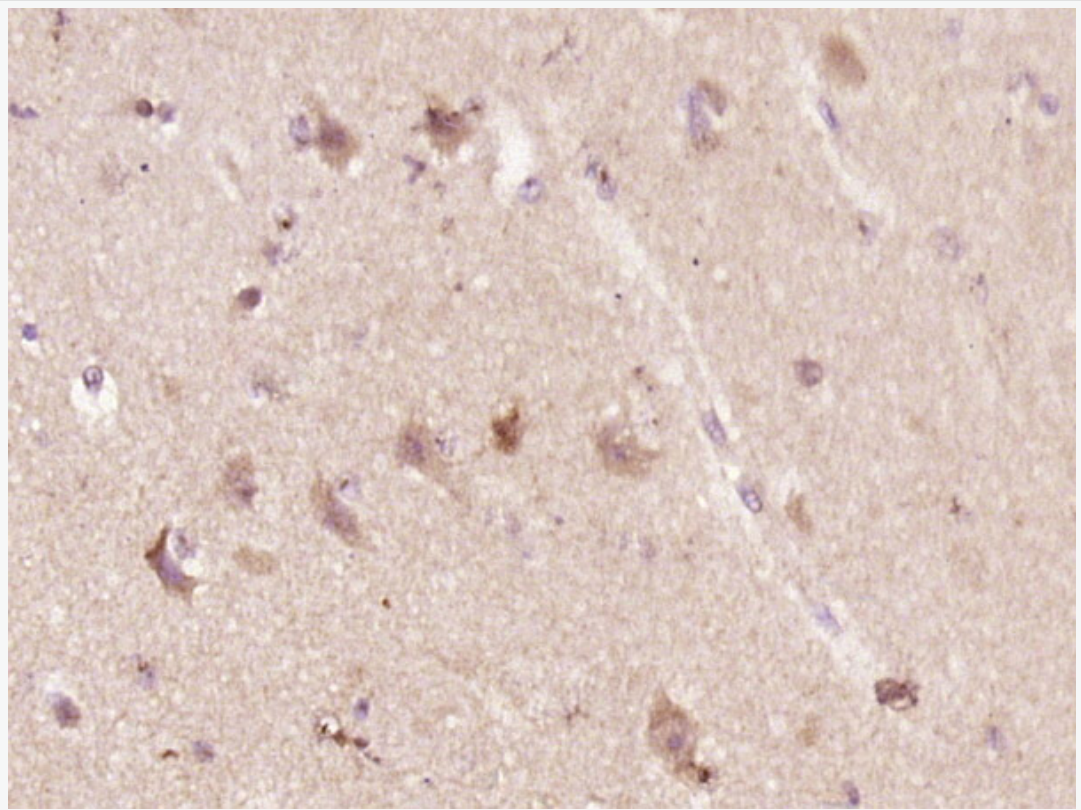
GRP 广泛分布于神经系统、胃肠道以及正常肺组织中，是神经内分泌激素。在多种 Tumour 中以自分泌方式分泌。能调节表皮生长因子，具有多种生物活性。

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous

peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Gastrin Releasing Peptide) Polyclonal Antibody, Unconjugated (SL0011R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Gastrin Releasing Peptide)



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Polyclonal Antibody, Unconjugated (SL0011R) at 1:400 overnight at 4°C,  
followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB  
staining.