SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GRP antibody

Catalog Number: SL14364R

FOR RESEARCH USE ONLY

[DATASHEET]

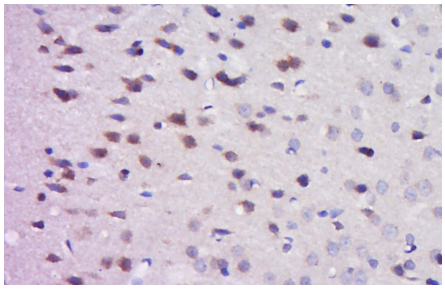
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GRP
Immunogen:	KLH conjugated synthetic peptide derived from mouse Gastrin Releasing Peptide: 24-52/146
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Mouse)
Predicted MW.:	3kDa
Subcellular Location:	Secretory protein
Background:	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

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	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:** ngs to the bombesin/neuromedin-B/ranatensin family. **Database links:** **Entrez Gene:** 2922 Human **Entrez Gene:** 225642 Mouse **Entrez Gene:** 171101 Rat Omim: 137260 Human **SwissProt:** P07492 Human **SwissProt:** Q8R1I2 Mouse **SwissProt:** P63153 Pig **SwissProt:** P24393 Rat **Unigene:** 153444 Human **Unigene:** 20298 Mouse **Unigene:** 10930 Rat

[VALIDATION IMAGES]



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-GRP10 Polyclonal Antibody, Unconjugated(SL14364R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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