

## Rabbit Anti-CGRP-1/2 antibody

SL0791R

**Product Name** CGRP-1/2

**Chinese Name** 降钙素基因相关肽 1/2 抗体

**Alias** CGRP-I + CGRP-II; CGRP-1/2; Procalcitonin; Beta type CGRP; CALC2; CALCB; Calcitonin 1; Calcitonin 2; Calcitonin gene related peptide; Calcitonin gene related peptide II; Calcitonin related polypeptide beta; CGRP; CGRP II; CGRP2; CT; Calcitonin/calcitonin related polypeptide alpha; Katalcalcin; MGC126648; CALCA\_HUMAN; CALCB\_HUMAN; Calcitonin gene-related peptide 2; Beta-type CGRP; Beta-CGRP; Calcitonin gene-related peptide II; CGRP-II; CGRP-I.

**Research Area** Cell biology immunology Neurobiology Growth factors and hormones

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Rat, (predicted: Mouse, Chicken, Pig, Cow, )  
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** 3.8/14kDa

**Detection molecular weight** 4/14-17 kDa

**Cellular localization** Secretory protein

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human Calcitonin gene-related peptide 1: 65-130/130

**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](#)

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katecalcine by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator while katecalcine is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2009]

**Function:**

CGRP induces vasodilation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role.

**Subcellular Location:**

Secreted.

**Similarity:**

Belongs to the calcitonin family.

**Product Detail**

**SWISS:**

P06881/P10092

**Gene ID:**

796/797

**Database links:**

[Entrez Gene: 796](#) Human

[Entrez Gene: 797](#) Human

[Entrez Gene: 116903](#) Mouse

[Entrez Gene: 12310](#) Mouse

[Entrez Gene: 171519](#) Rat

[Entrez Gene: 24241](#) Rat

[Omim: 114130](#) Human

[Omim: 114160](#) Human

[SwissProt: P06881](#) Human

[SwissProt: P10092](#) Human

[SwissProt: P70160](#) Mouse

[SwissProt: Q99JA0](#) Mouse

[SwissProt: P01256](#) Rat

[SwissProt: P01257](#) Rat

[Unigene: 37058](#) Human

[Unigene: 534305](#) Human

[Unigene: 273838](#) Mouse

[Unigene: 4361](#) Mouse

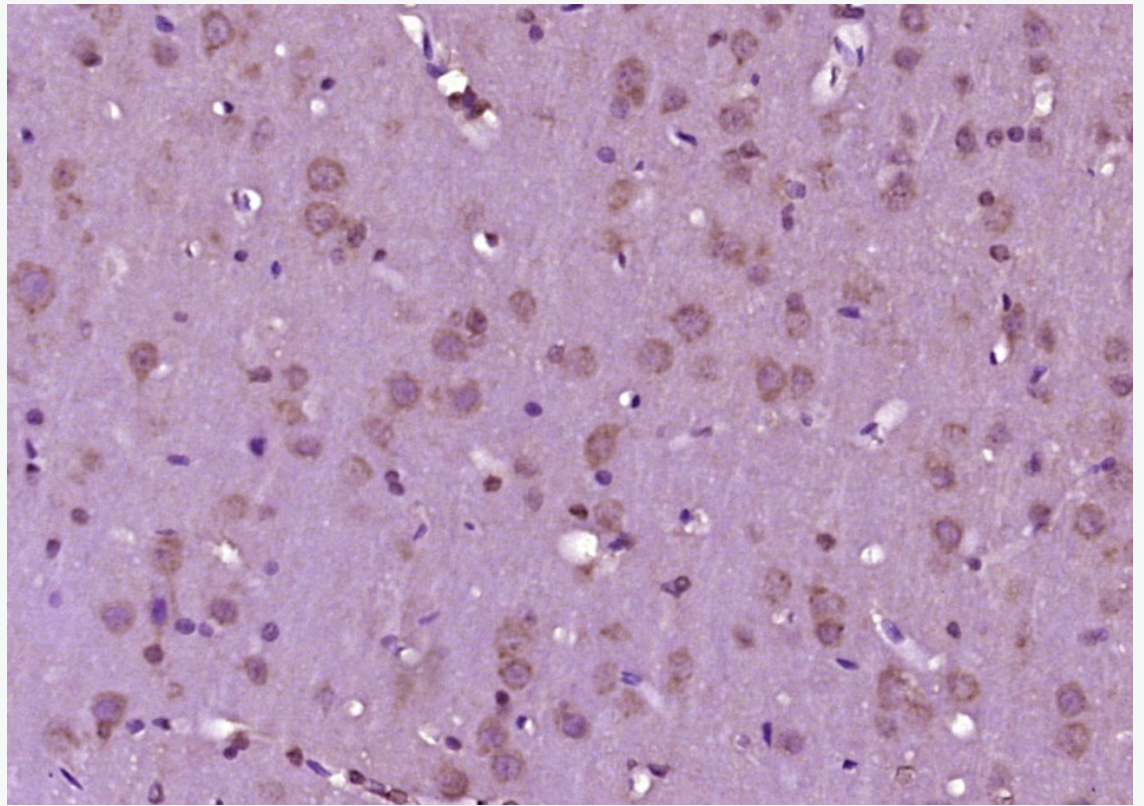
[Unigene: 88080](#) Rat

[Unigene: 90085](#) Rat

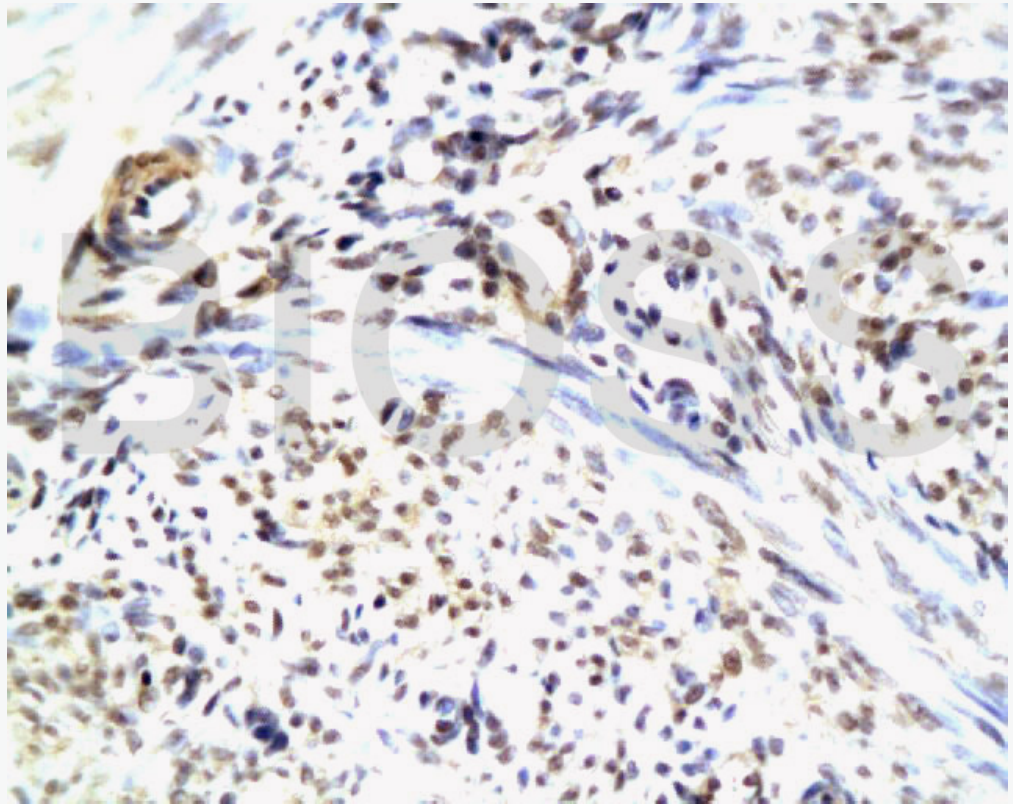
CGRP 活性多肽，有 37 个氨基酸组成，具有多种生理功能，其药理作用已受到广泛重视。

CGRP（又称 CGRP-1/2 或 CGRP $\alpha/\beta$ ）广泛分布于神经系统的一种神经肽，在外周及脊髓参与伤害性信息的传递及痛敏化的形成，并与 P 物质、兴奋性氨基酸、辣椒素 1 型受体、Chemokine、激活素、大麻素受体、阿片受体、神经生长因子、血管活性肠肽、5-羟色胺、糖皮质激素等生物活性物质或受体在痛觉调制过程中存在相互影响。

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (CGRP) Polyclonal Antibody, Unconjugated (SL0791R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human endometrium carcinoma; 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°C for 20 min;

Incubation: Anti-CGRP/CGRP2 Polyclonal Antibody, Unconjugated(SL0791R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining