



## Rabbit Anti-CGRP antibody

SL0791R

<b>Product Name:</b>	CGRP
<b>Chinese Name:</b>	降钙素基因相关肽2抗体
<b>Alias:</b>	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.
<b>文献引用</b> PubMed :	<p><b>Specific References(5)</b>SL0791R has been referenced in 5 publications.</p> <p><b>[IF=2.94]</b>Tu, Guihua, et al. "P2X<sub>7</sub> inhibition in stellate ganglia prevents the increased sympathoexcitatory reflex via sensory-sympathetic coupling induced by myocardial ischemic injury." Brain research bulletin (2013).<b>Rat.</b>  <a href="#">PubMed:23688519</a></p> <p><b>[IF=2.63]</b>Liu, Jun, et al. "Sensory-sympathetic coupling in superior cervical ganglia after myocardial ischemic injury facilitates sympathoexcitatory action via P2X7 receptor." Purinergic Signalling (2013): 1-17.<b>Rat.</b>  <a href="#">PubMed:23754120</a></p> <p><b>[IF=0.78]</b>Liu, Zhi-ming, et al. "Mutual Effect between Neuropeptides and Inflammatory Cytokines in Neurogenic SMSCs of Human Temporomandibular Joint." J Huazhong Univ Sci Technol [Med Sci] 34.4 (2014): 602-607.<b>WB;Human.</b>  <a href="#">PubMed:25135735</a></p> <p><b>[IF=0.18]</b>Wang, Jianlong, et al. "Basic fibroblast growth factor attenuates the degeneration of injured spinal cord motor endplates." Neural Regeneration Research</p>

	<p>8.24 (2013): 2213.IHC-P;Rat.</p> <p style="text-align: center;"><a href="#">PubMed:25206531</a></p> <p>[IF=5.23]He, Qin-Qin, et al. "MicroRNA-127 targeting of mitoNEET inhibits neurite outgrowth, induces cell apoptosis and contributes to physiological dysfunction after spinal cord transection." Scientific Reports 6 (2016).IHC-P;Rat.</p> <p style="text-align: center;"><a href="#">PubMed:27748416</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,
<b>Applications:</b>	<p>ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair)</p> <p>not yet tested in other applications.</p> <p>optimal dilutions/concentrations should be determined by the end user.</p>
<b>Molecular weight:</b>	3.8kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CGRP:65-130/130
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katalcain 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 katalcain is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2009]</p> <p><b>Function:</b> 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.</p> <p><b>Subcellular Location:</b> Secreted.</p> <p><b>Similarity:</b></p>

Belongs to the calcitonin family.

**SWISS:**  
P01256

**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

[Oimim: 114130](#)Human

[Oimim: 114160](#)Human

[SwissProt: P01258](#)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

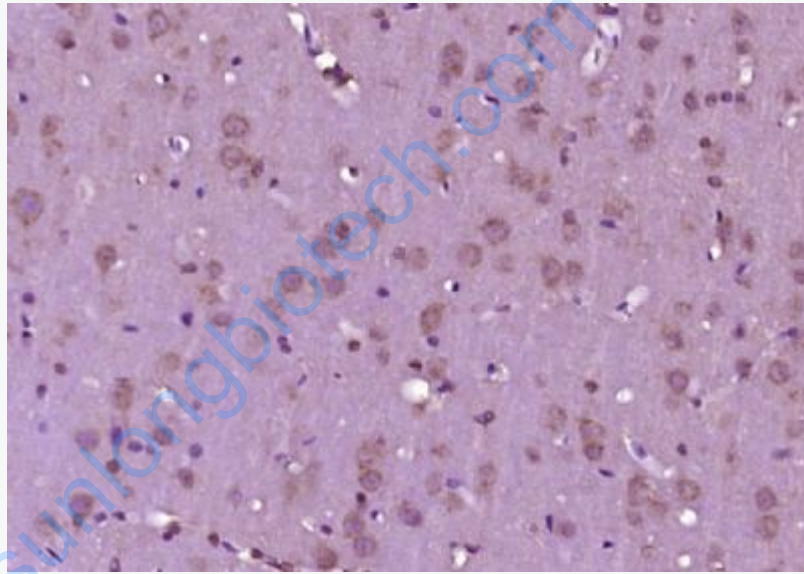
**Important Note:**

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

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.

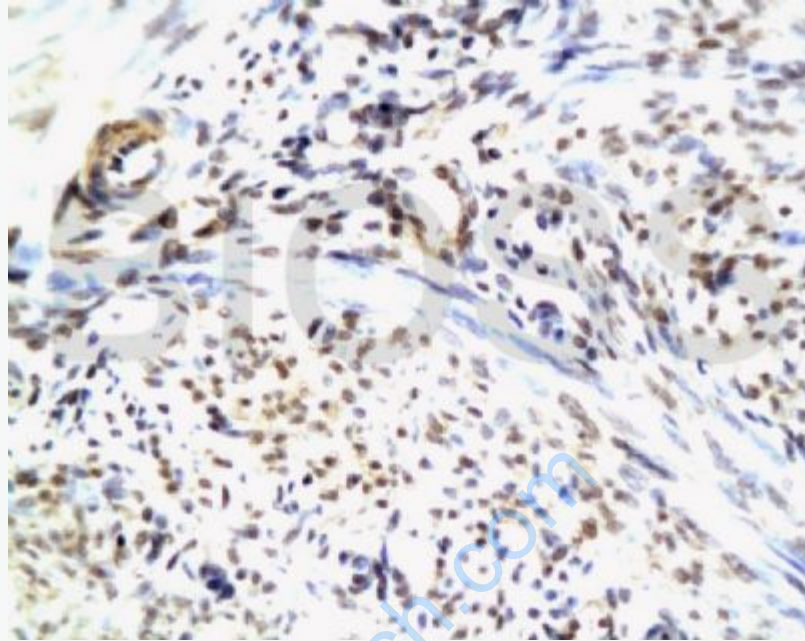
CGRP (又称CGRP-

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。



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 ( 0.01M, 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