




Rabbit Anti-Calcitonin receptor antibody

SL0124R

Product Name:	Calcitonin receptor
Chinese Name:	降钙素受体抗体
Alias:	Calcitonin receptor precursor; Calcr; CRT; CT R; CTR; CTR1; CALCR_MOUSE; CT-R; CALCR_HUMAN.
文献引用 	<p>Specific References(3) SL0124R has been referenced in 3 publications.</p> <p>[IF=2.46]Su, Jiansheng, et al. "Ibuprofen Rescues Abnormalities in Periodontal Tissues in Conditional Presenilin 1 and Presenilin 2 Double Knockout Mice."International Journal of Molecular Sciences?14.9 (2013): 18457-18469.IHC-P;Mouse. PubMed:24018889</p> <p>[IF=3.97]Tsukamoto, Manabu, et al. "Elcatonin prevents bone loss caused by skeletal unloading by inhibiting preosteoclast fusion through the unloading-induced high expression of calcitonin receptors in bone marrow cells." Bone (2016).IHC-P;Mouse. PubMed:26851124</p> <p>[IF=0.23]Zhou, Zhen, et al. "The effects of ZJXG decoction on the serum CT levels and the expressions of CTR and Cbfα1 in callus of femur fracture rats." Biomedical Research 27.3 (2016): 762-768.IHC-P;Rat. PubMed:0</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.

Molecular weight:	53kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Calcitonin receptor:31-120/516<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a high affinity receptor for the peptide hormone calcitonin and belongs to a subfamily of seven transmembrane-spanning G protein-coupled receptors. The encoded protein is involved in maintaining calcium homeostasis and in regulating osteoclast-mediated bone resorption. Polymorphisms in this gene have been associated with variations in bone mineral density and onset of osteoporosis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]</p> <p>Function: This is a receptor for calcitonin. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The calcitonin receptor is thought to couple to the heterotrimeric guanosine triphosphate-binding protein that is sensitive to cholera toxin.</p> <p>Subunit: Interacts with GPRASP2.</p> <p>Subcellular Location: Cell membrane; Multi-pass membrane protein.</p> <p>Similarity: Belongs to the G-protein coupled receptor 2 family.</p> <p>SWISS: P32214</p> <p>Gene ID: 12311</p> <p>Database links: Entrez Gene: 799Human Entrez Gene: 12311Mouse</p>

[Entrez Gene: 116506](#)Rat

[Omin: 114131](#)Human

[SwissProt: P30988](#)Human

[SwissProt: Q60755](#)Mouse

[SwissProt: P32214](#)Rat

[Unigene: 489127](#)Human

[Unigene: 4642](#)Mouse

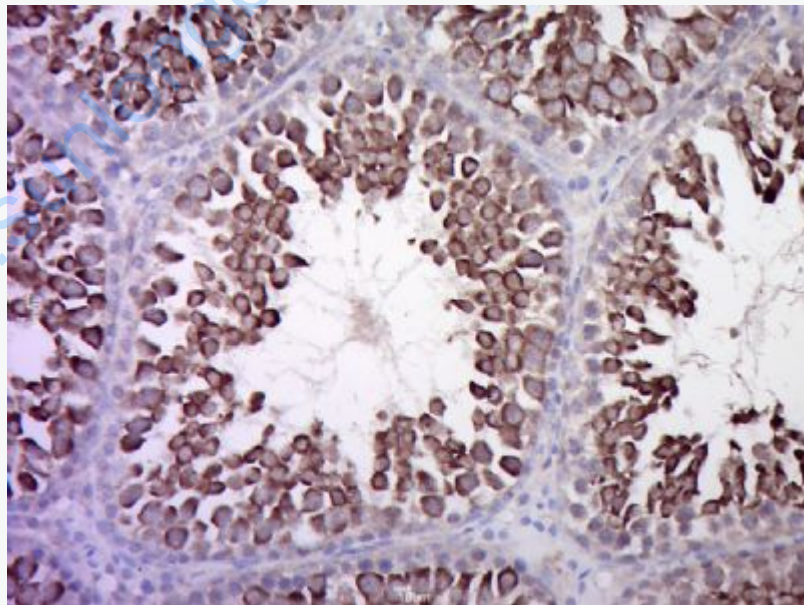
[Unigene: 10062](#)Rat

Important Note:

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

降钙素受体 (Calcitonin receptor, CT-R) 是 G protein-coupled receptor, 有两种受体亚型, CT-R 可与多种配体结合, 如 CGRP、Amylin、Am 等。CT-R 在破骨细胞中含量最高, 也存在于肾等多种器官组织内。

Picture:



Paraformaldehyde-fixed, paraffin embedded (Rat testis); 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

	<p>30min; Antibody incubation with (CALCR) Polyclonal Antibody, Unconjugated (SL0124R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.</p>
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