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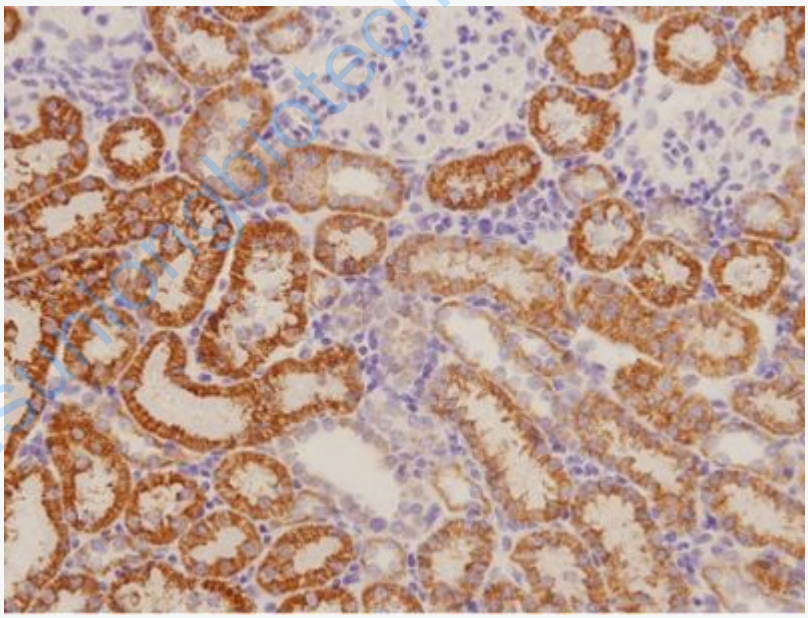
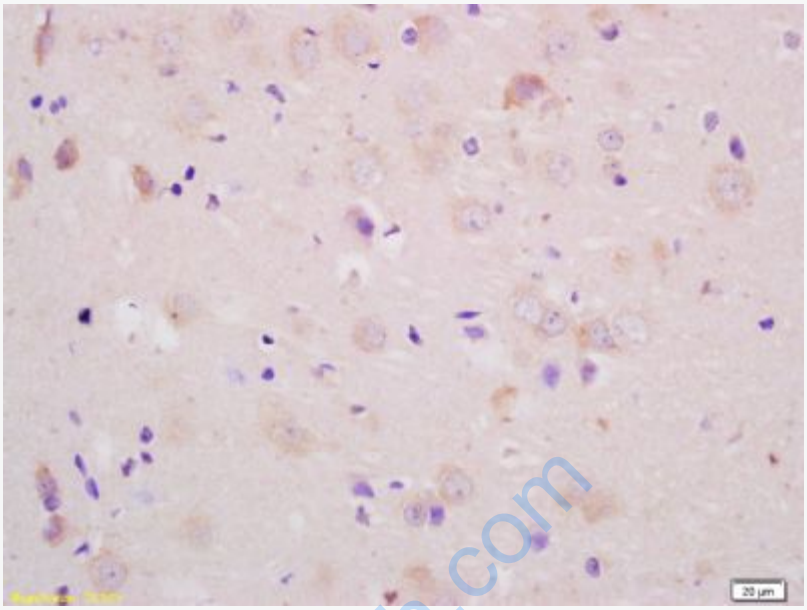
Rabbit Anti-RAMP1 antibody

SL1567R

Product Name:	RAMP1
Chinese Name:	受体活性修饰蛋白1抗体
Alias:	calcitonin receptor like receptor activity modifying protein 1; RAMP 1; RAMP-1; CRLR activity modifying protein 1; receptor (G protein coupled) activity modifying protein 1; receptor activity modifying protein 1; Receptor activity modifying protein 1; RAMP1_HUMAN.
文献引用 PubMed :	**Specific References(1)**|SL1567R has been referenced in 1 publications. **[IF=1.86]**Qiao, Xi, et al. "Intermedin is upregulated and attenuates renal fibrosis by inhibition of oxidative stress in rats with unilateral ureteral obstruction."Nephrology (2015).**WB;Rat**. PubMed:26014968
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	14kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RAMP-1:118-148/148<Cytoplasmic>
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:	The protein encoded by this gene is a member of the RAMP family of single transmembrane domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). RAMPs are type I transmembrane proteins with an extracellular N terminus and a cytoplasmic C terminus. RAMPs are required to transport calcitonin receptor like receptor (CRLR) to the plasma membrane. CRLR, a receptor with seven transmembrane domains, can function as either a calcitonin gene related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. In the presence of this (RAMP1) protein, CRLR functions as a CGRP receptor. The RAMP1 protein is involved in the terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface. **Function:** Transports the calcitonin gene-related peptide type 1 receptor (CALCRL) to the plasma membrane. Acts as a receptor for calcitonin-gene-related peptide (CGRP) together with CALCRL. **Subunit:** Heterodimer of CALCRL and RAMP1. **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Tissue Specificity:** Expressed in many tissues including the uterus, bladder, brain, pancreas and gastro-intestinal tract. **Similarity:** Belongs to the RAMP family. **SWISS:** Q9WTJ5 **Gene ID:** 10267 **Database links:** Entrez Gene: 10267Human Entrez Gene: 51801Mouse Entrez Gene: 58965Rat

	Omim: 605153Human SwissProt: O60894Human SwissProt: Q9WTJ5Mouse SwissProt: Q9JJ74Rat Unigene: 471783Human Unigene: 3272Mouse Unigene: 12265Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 This image was generously provided by Xi Qiao from the Second Hospital of Shanxi Medical University. Formaldehyde fixed and paraffin embedded rat kidneys labeled with Rabbit Anti-RAMP1 Polyclonal Antibody (SL1567R) and followed by conjugation to a secondary antibody and counterstained with hematoxylin.



Tissue/cell: rat brain tissue; 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℃ for 20 min;

Incubation: Anti-RAMP1 Polyclonal Antibody, Unconjugated(SL1567R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining