SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-RAMP1 antibody

Catalog Number: SL1567R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	RAMP1
Immunogen:	KLH conjugated synthetic peptide derived from human RAMP1: 118-148/148 <Cytoplasmic>
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:	WB=1:500-2000 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Rat, (predicted: Mouse)
Predicted MW.:	14kDa
Subcellular Location:	The cell membrane
Background:	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-

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	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. **Database links:** **Entrez Gene:** 10267 Human **Entrez Gene:** 51801 Mouse **Entrez Gene:** 58965 Rat Omim: 605153 Human **SwissProt:** O60894 Human **SwissProt:** Q9WTJ5 Mouse **SwissProt:** Q9JJ74 Rat **Unigene:** 471783 Human **Unigene:** 3272 Mouse **Unigene:** 12265 Rat

[VALIDATION IMAGES]

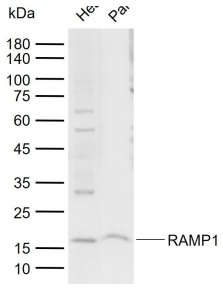


Figure 1. Sample: Lane 1: Rat Heart tissue lysates Lane 2: Rat Pancreas tissue lysates Primary: Anti- RAMP1 (SL1567R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 16 kDa

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