SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-RAMP2 antibody

SL11971R

Product Name	RAMP2
Chinese Name	受体活性修饰蛋白 2 抗体
Alias	Calcitonin receptor like receptor activity modifying protein 2; CRLR activity modifying protein 2; OTTMUSP00000002615; OTTMUSP00000037624; Receptor (calcitonin) activity modifying protein 2; Receptor activity modifying protein 2; Receptor activity modifying protein 2 isoform; RP23-281C18.6; RAMP2_HUMAN.
Research Area	Tumour Cell biology Signal transduction Growth factors and hormones The cell membrane 受体 G protein-coupled receptor G protein signal The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Pig, Cow, Horse, Rabbit, Sheep,)
Applications	WB=1:500-2000,IHC-P=1:50 - 1:200,IHC-F=1:50 - 1:200,IF=1:50 - 1:200,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.
Theoretical molecular weight	15kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human RAMP2: 81-175/175 <Extracellular>
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℃. Store at -20 ℃ 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
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 (RAMP2) protein, CRLR functions as an adrenomedullin receptor. The RAMP2 protein is involved in core glycosylation and transportation of adrenomedullin receptor to the cell surface. **Function:** RAMP2 (Receptor activity-modifying protein 2) transports the calcitonin gene-related peptide type 1 receptor (CALCRL) to the plasma membrane. RAMP2 acts as a receptor for adrenomedullin (AM) together with CALCRL. Co-expression of Receptor activity-modifying protein 2 (RAMP2) with the calcitonin-receptor-like-receptor (CRLR) results in the production of a functional adrenomedullin (ADM) receptor. RAMPs regulate the transport and ligand specificity of the calcitonin-receptor-like receptor. RAMP2 is a heterodimer of CALCRL and RAMP2. RAMP2 is strongly expressed in lung, breast, immune system and fetal tissues. RAMP2 belongs to the RAMP family. **Subunit:** Heterodimer of CALCRL and RAMP2 **Subcellular Location:** Cell Membrane; Single-pass type I membrane protein **Tissue Specificity:** Strongly expressed in lung, breast, immune system and fetal tissues. **Similarity:** Belongs to the RAMP family. **SWISS:** O60895

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Gene ID:
10266

Database links:

Entrez Gene: 10266 Human

Omim: 605154 Human

SwissProt: O60895 Human

Unigene: 514193 Human