

RAMP2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54693

Specification

RAMP2 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>060895</u>

Reactivity Rat, Pig, Bovine Rabbit

Clonality Polyclonal Calculated MW 15 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human RAMP2

Epitope Specificity 81-175/175

Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell Membrane; Single-pass type I

membrane protein

SIMILARITY Belongs to the RAMP family.

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

Background Descriptions

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.

RAMP2 Polyclonal Antibody - Additional Information

Gene ID 10266

Other Names

Receptor activity-modifying protein 2, Calcitonin-receptor-like receptor activity-modifying protein 2, CRLR activity-modifying protein 2, RAMP2

Target/Specificity



Strongly expressed in lung, breast, immune system and fetal tissues.

Dilution

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<span class ="dilution_WB">WB~~1:1000</span><br \><span class
="dilution_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution_IF">IF~~1:50~200</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span>
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Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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 $^{\circ}$ C.

RAMP2 Polyclonal Antibody - Protein Information

Name RAMP2 (HGNC:9844)

Function

Accessory protein that interacts with and modulates the function of G-protein coupled receptors including calcitonin gene- related peptide type 1 receptor (CALCRL) and calcitonin receptor (CALCR) (PubMed:9620797). Required for the transport of CALCRL to the plasma membrane (PubMed:9620797). Together with CALCRL, form a receptor complex for adrenomedullin/ADM (PubMed:22102369, PubMed:32296767, PubMed:9620797). Together with CALCR, act as a receptor complex for calcitonin/CT/CALC (PubMed:35324283). Together with CALCR, also act as a receptor complex for amylin/IAPP (PubMed:35324283).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Strongly expressed in lung, breast, immune system and fetal tissues.

RAMP2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

RAMP2 Polyclonal Antibody - Images