

RAMP2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9462c**Specification**

RAMP2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O60895](#)**RAMP2 Antibody (Center) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RAMP2 Antibody (Center) Blocking Peptide - 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 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAMP2 Antibody (Center) Blocking Peptide - Images**RAMP2 Antibody (Center) Blocking Peptide - 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 (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 Antibody (Center) Blocking Peptide - References

Kuwasako, K., et al. Biochem. Biophys. Res. Commun. 392(3):380-385(2010) Michou, L., et al. Clin. Exp. Rheumatol. 26(6):1083-1086(2008) Qi, T., et al. Mol. Pharmacol. 74(4):1059-1071(2008) Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008) Kuwasako, K., et al. J. Biol. Chem. 275(38):29602-29609(2000) Aldecoa, A., et al. FEBS Lett. 471 (2-3), 156-160 (2000)