

RAMP3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16029b**Specification**

RAMP3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O60896](#)**RAMP3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10268**Other Names**

Receptor activity-modifying protein 3, Calcitonin-receptor-like receptor activity-modifying protein 3, CRLR activity-modifying protein 3, RAMP3

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.

RAMP3 Antibody (C-term) Blocking Peptide - Protein Information**Name** RAMP3**Function**

Plays a role in cardioprotection by reducing cardiac hypertrophy and perivascular fibrosis in a GPER1-dependent manner. Transports the calcitonin gene-related peptide type 1 receptor (CALCRL) and GPER1 to the plasma membrane. Acts as a receptor for adrenomedullin (AM) together with CALCRL.

Cellular Location

Cell membrane; Single-pass type I membrane protein Membrane; Single-pass type I membrane protein. Note=Moves from intracellular puncta to the plasma membrane in a RAMP3-dependent manner

Tissue Location

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

RAMP3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAMP3 Antibody (C-term) Blocking Peptide - Images

RAMP3 Antibody (C-term) 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 (RAMP3) protein, CRLR functions as an adrenomedullin receptor.

RAMP3 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Bailey, R.J., et al. Peptides 31(4):579-584(2010) Harikumar, K.G., et al. Biochemistry 48(49):11773-11785(2009) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Kuwasako, K., et al. Biochem. Biophys. Res. Commun. 377(1):109-113(2008)