



Anti-RAMP1 Antibody

Alternative Names: RAMP1, Receptor Activity Modifying Protein 1, Calcitonin Receptor-Like Receptor Activity Modifying Protein 1

Catalogue Number: AB18-10060-50ug

Size: 50 µg

Background Information

Receptor Activity Modifying Protein 1 (RAMP1) is a member of the RAMP family of single-transmembrane-domain proteins, which 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.

RAMP1 forms a complex with calcitonin receptor-like receptor (CLR) to produce the receptor for calcitonin gene-related peptide (CGRP). It facilitates the cell-surface expression of CLR and is also essential for the binding of CGRP to the receptor. The RAMP1 protein can also interact with the calcitonin receptor (CT) protein, where heteromerisation of RAMP1 with CT converts CT from a calcitonin receptor to the amylin receptor AMY1.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse
Immunogen:	Full length recombinant human RAMP1		
Format:	50 µg in 50 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB IHC WB 1:200-1000. IHC 1:10-50.		

Additional Information

Subcellular location:	Membrane, Cytoplasm	MW:	17kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	10267	Uniprot ID:	O60894