



RAMP1 Monoclonal Antibody

Catalog No	YP-mAb-07830
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RAMP1
Protein Name	Receptor activity-modifying protein 1 (Calcitonin-receptor-like receptor activity-modifying protein 1) (CRLR activity-modifying protein 1)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	RAMP1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	16kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed in many tissues including the uterus, bladder, brain, pancreas and gastro-intestinal tract.
Function	function:Transports the calcitonin gene-related peptide type 1 receptor (CALCRL) to the plasma membrane. Acts as a receptor for calcitonin-gene-related peptide (CGRP) together with CALCRL.,similarity:Belongs to the RAMP family.,subunit:Heterodimer of CALCRL and RAMP1.,tissue specificity:Expressed in many tissues including the uterus, bladder, brain, pancreas and gastro-intestinal tract.,
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 (RAMP1) protein, CRLR functions as a CGRP receptor. The RAMP1



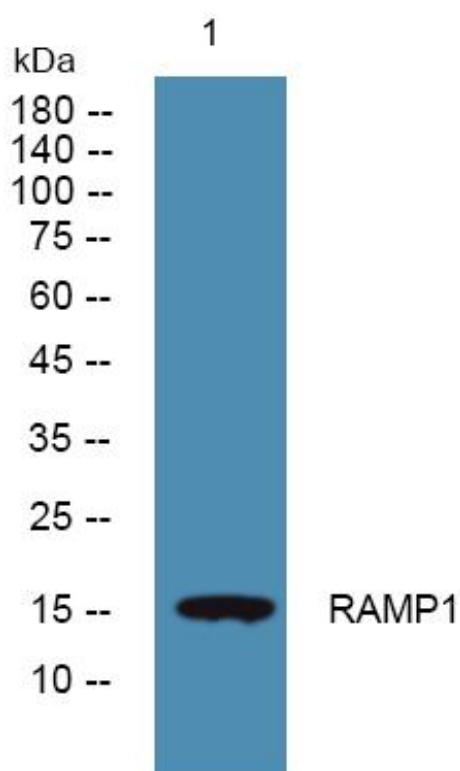
protein is involved in the terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided b

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using RAMP1 Monoclonal Antibody