

A6447

Leader in Biomolecular Solutions for Life Science



RAMP1 Rabbit pAb

Catalog No.: A6447

Basic Information

Observed MW

17kDa

Calculated MW

17kDa

Category

Mouse Monoclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

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.

Recommended Dilutions

WB	1:100 - 1:500
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

10267

Swiss Prot

O60894

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 21-120 of human RAMP1 (NP_005846.1).

Synonyms

RAMP1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

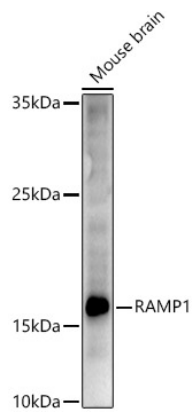
Affinity purification

Storage

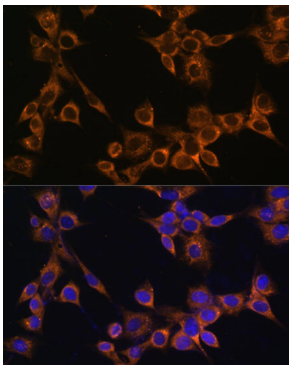
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

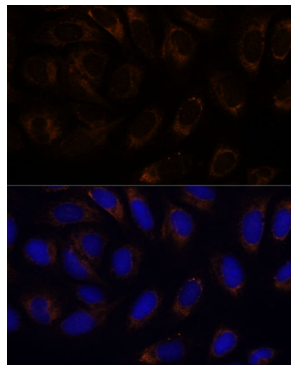
Validation Data



Western blot analysis of extracts of Mouse brain, using RAMP1 antibody (A6447) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 90s.



Immunofluorescence analysis of NIH/3T3 cells using RAMP1 antibody (A6447) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using RAMP1 antibody (A6447) at dilution of 1:100. Blue: DAPI for nuclear staining.