

Datasheet for ABIN6146672
anti-RAMP1 antibody (AA 27-117)



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3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | RAMP1 |
| Binding Specificity: | AA 27-117 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RAMP1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 27-117 of human RAMP1 (NP_005846.1). |
| Sequence: | CQEANYGALL RELCLTQFQV DMEAVGETLW CDWGRITIRSY RELADCTWHM AEKLGCFWPN AEVDRFFLAV HGRYFRSCPI SGRAVRDPPG S |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

| | |
|---------|-------|
| Target: | RAMP1 |
|---------|-------|

Target Details

Alternative Name: RAMP1 ([RAMP1 Products](#))

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.,RAMP1,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,RAMP1

Molecular Weight: 16 kDa

Gene ID: 10267

UniProt: [O60894](#)

Pathways: [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

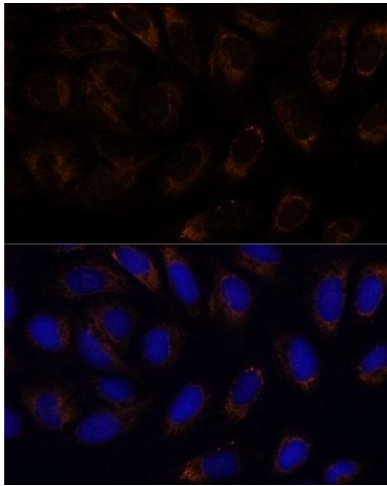
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

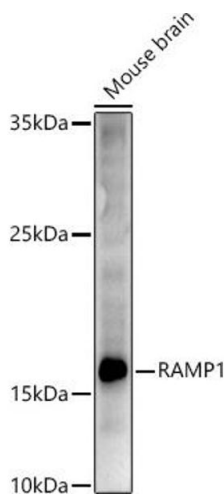
Storage: -20 °C

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



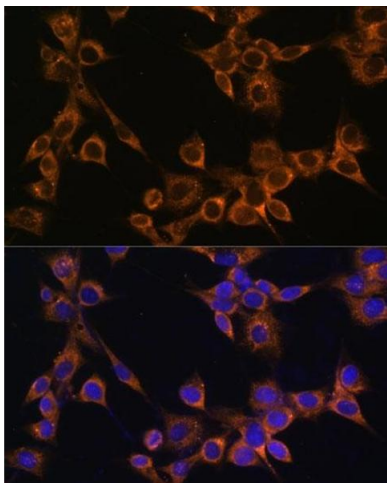
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using R antibody (ABIN6132582, ABIN6146672, ABIN6146673 and ABIN6222096) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse brain, using R antibody (ABIN6132582, ABIN6146672, ABIN6146673 and ABIN6222096) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Immunofluorescence

Image 3. Immunofluorescence analysis of NIH/3T3 cells using R antibody (ABIN6132582, ABIN6146672, ABIN6146673 and ABIN6222096) at dilution of 1:100. Blue: DAPI for nuclear staining.