

ARG64599 anti-RAMP1 antibody

Package: 100 µg
Store at: -20°C

Summary

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|---------------------|--|
| Product Description | Goat Polyclonal antibody recognizes RAMP1 |
| Tested Reactivity | Rat |
| Predict Reactivity | Hu, Ms |
| Tested Application | WB |
| Specificity | This antibody is expected to recognize isoform 1 (NP_058590.1) only. |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | RAMP1 |
| Species | Mouse |
| Immunogen | C-DYQSKRTEGIV |
| Conjugation | Un-conjugated |
| Alternate Names | CRLR activity-modifying protein 1; Calcitonin-receptor-like receptor activity-modifying protein 1; Receptor activity-modifying protein 1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|---------------|
| | WB | 0.3 - 1 µg/ml |
| Application Note | WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

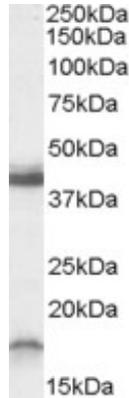
| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

| | |
|----------------|---|
| Database links | GeneID: 58965 Rat Swiss-port # Q9JJ74 Rat |
| Gene Symbol | Ramp1 |
| Gene Full Name | receptor (calcitonin) activity modifying protein 1 |
| 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. [provided by RefSeq, Jul 2008] |
| 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. [UniProt] |
| Research Area | Neuroscience antibody; Signaling Transduction antibody |
| Calculated Mw | 17 kDa |

Images



ARG64599 anti-RAMP1 antibody WB image

Western blot: Rat Brain lysate (35 µg protein in RIPA buffer) stained with ARG64599 anti-RAMP1 antibody at 0.3 µg/ml dilution.