

For Research Use Only

# RAMP1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85271-2-PBS



## Basic Information

|                                     |                                                                            |                                                |
|-------------------------------------|----------------------------------------------------------------------------|------------------------------------------------|
| Catalog Number:<br>85271-2-PBS      | GenBank Accession Number:<br>NM_005855.4                                   | Purification Method:<br>Protein A purification |
| Source:<br>Rabbit                   | GeneID (NCBI):<br>10267                                                    | CloneNo.:<br>260848G8                          |
| Isotype:<br>IgG                     | UNIPROT ID:<br>O60894                                                      |                                                |
| Immunogen Catalog Number:<br>EG9068 | Full Name:<br>receptor (G protein-coupled) activity<br>modifying protein 1 |                                                |
|                                     | Calculated MW:<br>17 kDa                                                   |                                                |
|                                     | Observed MW:<br>35 kDa                                                     |                                                |

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
human

## Background Information

RAMP1 (receptor-activity-modifying protein) is a member of the RAMP family of single-transmembrane-domain proteins which consist of an N-terminal extracellular domain, a transmembrane region, and a short intracellular C-terminal tail. RAMPs are required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR, a G protein-coupled receptor, 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. RAMP1 transports the CRLR to the plasma membrane and then remains associated with it to function as a terminally glycosylated CGRP receptor, while RAMP2 and RAMP3 transfer the CRLR to the cell surface to generate receptors that are preferentially selective for adrenomedullin. RAMP1 can form a homodimer, which migrates at 30-37 kDa on SDS-PAGE. (PMID: 9620797; 16188935; 12051717; PMID: 18384073)

## Storage

Storage:  
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

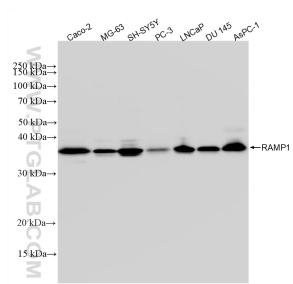
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85271-2-RR (RAMP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85271-2-PBS in a different storage buffer formulation.