

For Research Use Only

# RAMP3 Polyclonal antibody

Catalog Number: 11861-1-AP



## Basic Information

<b>Catalog Number:</b> 11861-1-AP	<b>GenBank Accession Number:</b> BC022304	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10268	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> receptor (G protein-coupled) activity modifying protein 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 16.5 kDa	
<b>Immunogen Catalog Number:</b> AG2438	<b>Observed MW:</b> 45-50 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** A549 cells, human kidney tissue, Jurkat cells, mouse pancreas tissue, human placenta tissue, mouse brain tissue, mouse heart tissue, mouse skeletal muscle tissue, human heart tissue, mouse lung tissue, MCF-7 cells

**IHC:** human breast cancer tissue,

## Background Information

The receptor activity-modifying proteins (RAMPs) and the calcitonin receptor-like receptor (CRLR) are both required to generate adrenomedullin (AM) and calcitonin gene-related peptide (CGRP) receptors. During the process, RAMP3 transports the glycosylated 58-kD CGRPR to the cell surface. The formation of CRLR-RAMP heterodimer is essential for the proper cell surface targeting and pharmacological characteristics of both CGRP and AM receptors.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

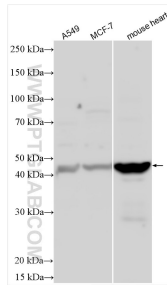
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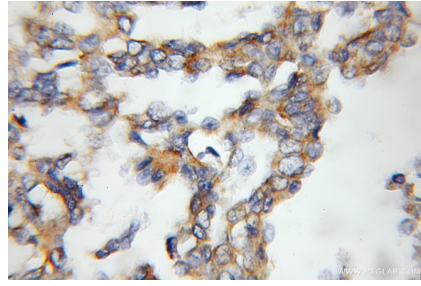
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11861-1-AP (RAMP3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11861-1-AP (RAMP3 antibody) at dilution of 1:50 (under 10x lens).