

For Research Use Only

# RAMP3 Recombinant monoclonal antibody

Catalog Number: 87744-1-RR



## Basic Information

<b>Catalog Number:</b> 87744-1-RR	<b>GenBank Accession Number:</b> NM_005856.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10268	<b>CloneNo.:</b> 253174D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60896	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> receptor (G protein-coupled) activity modifying protein 3	
<b>Immunogen Catalog Number:</b> EG5467	<b>Calculated MW:</b> 17 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**  
WB : T-47D cells, HUVEC cells, LNCaP cells, PC-3 cells, A549 cells, Neuro-2a cells, PC-12 cells

## 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 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. RAMP3 exists in different molecular weight forms: 19 kDa monomer, 35-40 kDa monomer heteroglycosylation, 50 kDa homodimer, and 73 kDa heterodimer (PMID: 19546305).

## Storage

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

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

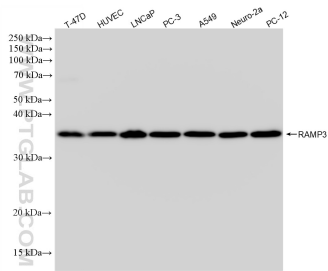
Aliquoting is unnecessary for -20°C storage

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

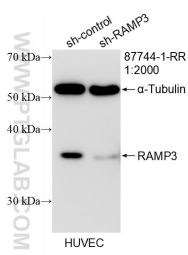
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87744-1-RR (RAMP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of RAMP3 antibody (87744-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RAMP3 transfected HUVEC cells.