

For Research Use Only

RAMP3 Recombinant monoclonal antibody

Catalog Number: 87744-1-RR



Basic Information

Catalog Number: 87744-1-RR	GenBank Accession Number: NM_005856.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10268	CloneNo.: 253174D12
Isotype: IgG	UNIPROT ID: O60896	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: EG5467	Full Name: receptor (G protein-coupled) activity modifying protein 3	
	Calculated MW: 17 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: T-47D cells, HUVEC cells, LNCaP cells, PC-3 cells, A549 cells, Neuro-2a cells, PC-12 cells
Species Specificity: human, mouse, rat	

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).

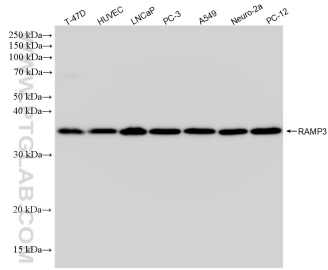
Storage

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

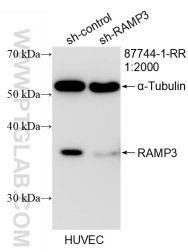
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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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.