

RAMP1 Recombinant monoclonal antibody

Catalog Number: 85271-2-RR

Basic Information

Catalog Number: 85271-2-RR	GenBank Accession Number: NM_005855.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10267	CloneNo.: 260848G8
Source: Rabbit	UNIPROT ID: O60894	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: receptor (G protein-coupled) activity modifying protein 1	
Immunogen Catalog Number: EG9068	Calculated MW: 17 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human	WB : Caco-2 cells, MG-63 cells, SH-SY5Y cells, PC-3 cells, LNCaP cells, DU 145 cells, AsPC-1 cells

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

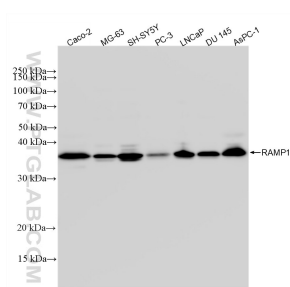
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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
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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.