

RAMP2 Recombinant monoclonal antibody

Catalog Number: 88020-3-RR

Basic Information

Catalog Number: 88020-3-RR	GenBank Accession Number: NM_019444.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54409	CloneNo.: 260084E10
Source: Rabbit	UNIPROT ID: Q9WUP0	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:250-1:1000
Isotype: IgG	Full Name: receptor (calcitonin) activity modifying protein 2	
Immunogen Catalog Number: EG9065	Calculated MW: 21 kDa	
	Observed MW: 20-35kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

mouse, rat

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 : mouse lung tissue, mouse brain tissue, rat lung tissue, mouse heart tissue

IHC : mouse lung tissue,

Background Information

RAMP2 (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. (PMID: 9620797; 16188935)

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

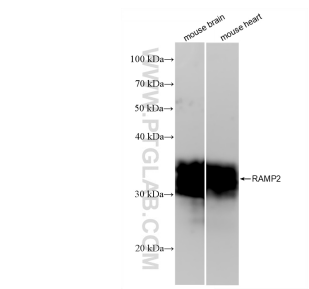
For technical support and original validation data for this product please contact:

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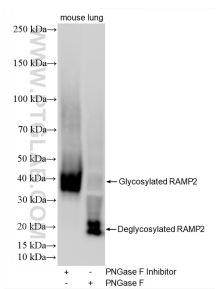
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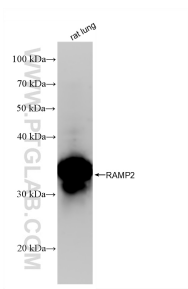
Selected Validation Data



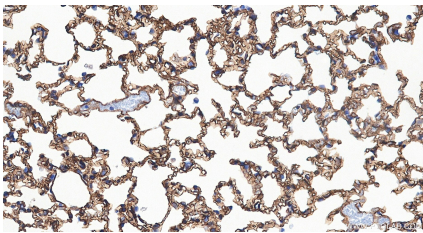
Various lysates were subjected to SDS PAGE followed by western blot with 88020-3-RR (RAMP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



mouse lung tissue were subjected to SDS PAGE followed by western blot with 88020-3-RR (RAMP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



rat lung tissue were subjected to SDS PAGE followed by western blot with 88020-3-RR (RAMP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 88020-3-RR (RAMP2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).