

For Research Use Only

RAMP1 Polyclonal antibody

Catalog Number: 10327-1-AP **4 Publications**



Basic Information

Catalog Number: 10327-1-AP	GenBank Accession Number: BC000548	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 547 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10267	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O60894	
Isotype: IgG	Full Name: receptor (G protein-coupled) activity modifying protein 1	
Immunogen Catalog Number: AG0402	Calculated MW: 17 kDa	
	Observed MW: 14 kDa, 33-35 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 heart tissue, human heart tissue, mouse stomach tissue, rat heart tissue

IHC : human small intestine tissue,

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Dingding Liu	35350752	Front Pharmacol	WB,IHC
Ruimin Tian	35260079	J Headache Pain	IF
Pan Xu	39859376	Int J Mol Sci	WB,IF

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

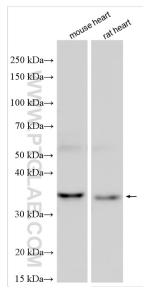
For technical support and original validation data for this product please contact:

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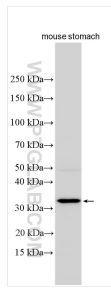
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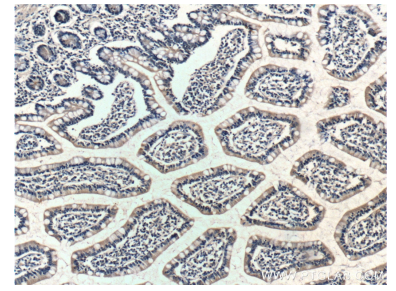
Selected Validation Data



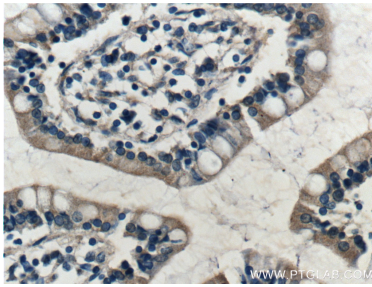
Various lysates were subjected to SDS PAGE followed by western blot with 10327-1-AP (RAMP1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 10327-1-AP (RAMP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10327-1-AP (RAMP1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10327-1-AP (RAMP1 Antibody) at dilution of 1:200 (under 40x lens).