

For Research Use Only

RAMP3 Polyclonal antibody

Catalog Number: 11861-1-AP

1 Publications



Basic Information

Catalog Number:

11861-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2438

GenBank Accession Number:

BC022304

GeneID (NCBI):

10268

UNIPROT ID:

O60896

Full Name:

receptor (G protein-coupled) activity modifying protein 3

Calculated MW:

16.5 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

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: A549 cells, human kidney tissue, Jurkat cells, mouse pancreas tissue, human placenta tissue, mouse brain tissue, mouse heart tissue, mouse skeletal muscle tissue, human heart tissue, mouse lung tissue, MCF-7 cells

IHC: human breast cancer tissue,

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 58-kD 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zao-Ling Liu	38946034	J Chin Med Assoc	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

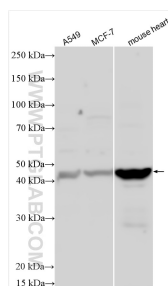
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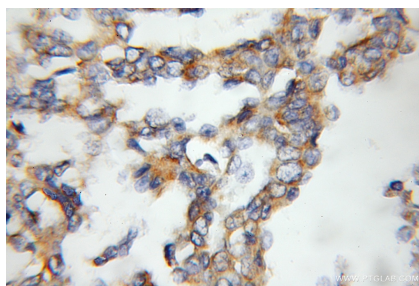
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11861-1-AP (RAMP3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11861-1-AP (RAMP3 antibody) at dilution of 1:50 (under 10x lens).