

Datasheet for ABIN731438  
**anti-RAMP1 antibody (AA 118-148)**



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## Overview

Quantity:	100 µL
Target:	RAMP1
Binding Specificity:	AA 118-148
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAMP1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse RAMP-1
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse
Purification:	Purified by Protein A.

## Target Details

Target:	RAMP1
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## Target Details

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Alternative Name:	RAMP1 ( <a href="#">RAMP1 Products</a> )
Background:	Synonyms: 9130218E19Rik, Receptor activity-modifying protein 1, Ramp1 Background: Transports the calcitonin gene-related peptide type 1 receptor (CALCRL) to the plasma membrane. Acts as a receptor for calcitonin-gene-related peptide (CGRP) together with CALCRL.
Gene ID:	51801
UniProt:	<a href="#">Q9WTJ5</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

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Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

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Product cited in:

Zheng, Nixdorf-Bergweiler, van Brederode, Alzheimer, Messlinger: "Excitatory Effects of Calcitonin Gene-Related Peptide (CGRP) on Superficial Sp5C Neurons in Mouse Medullary Slices." in: **International journal of molecular sciences**, Vol. 22, Issue 7, (2021) ([PubMed](#)).

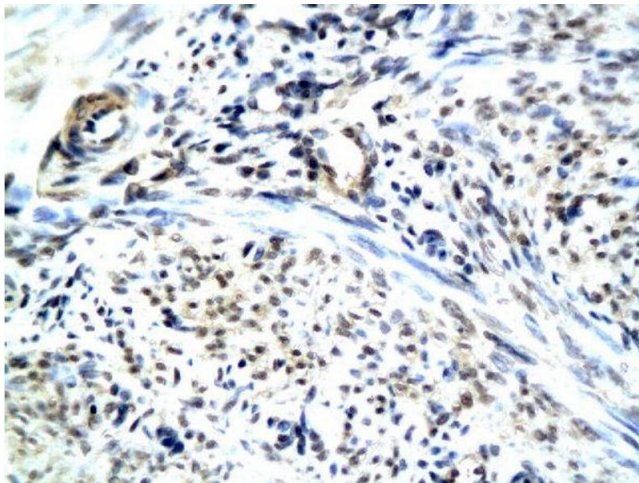
Ragauskas, Rysevaite-Kyguoliene, Pauziene, Inokaitis, Pauza: "Chemical phenotypes of intrinsic cardiac neurons in the newborn pig (*Sus scrofa domestica* Erxleben, 1777)." in: **Journal of morphology**, Vol. 283, Issue 1, pp. 51-65, (2021) ([PubMed](#)).

Pauza, Rysevaite-Kyguoliene, Malinauskas, Lukosiene, Alaburda, Stankevicius, Kupcinskas, Saladzinskas, Tamelis, Pauziene: "Alterations in enteric calcitonin gene-related peptide in patients with colonic diverticular disease: CGRP in diverticular disease." in: **Autonomic neuroscience : basic & clinical**, Vol. 216, pp. 63-71, (2019) ([PubMed](#)).

Qiao, Wang, Wang, Zhao, Zhang, Han, Peng: "Intermedin is upregulated and attenuates renal fibrosis by inhibition of oxidative stress in rats with unilateral ureteral obstruction." in: **Nephrology (Carlton, Vic.)**, (2015) ([PubMed](#)).

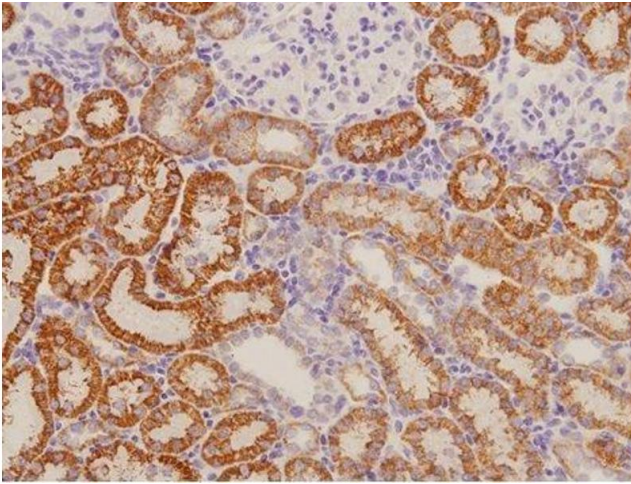
## Images

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### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human uterine endomysium labeled with Anti-RAMP1 Polyclonal Antibody, Unconjugated (ABIN731438) followed by conjugation to the secondary antibody and DAB staining



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** This image was generously provided by Xi Qiao from the Second Hospital of Shanxi Medical University. Formaldehyde fixed and paraffin embedded rat kidneys labeled with Rabbit Anti-RAMP1 Polyclonal Antibody and followed by conjugation to a secondary antibody and counterstained with hematoxylin.