



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 (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), 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

Alternative Name:	RAMP1 (RAMP1 Products)
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:	Q9WTJ5
Pathways:	cAMP Metabolic Process , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Regulation of Carbohydrate Metabolic Process

Application Details

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

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

Product cited in:

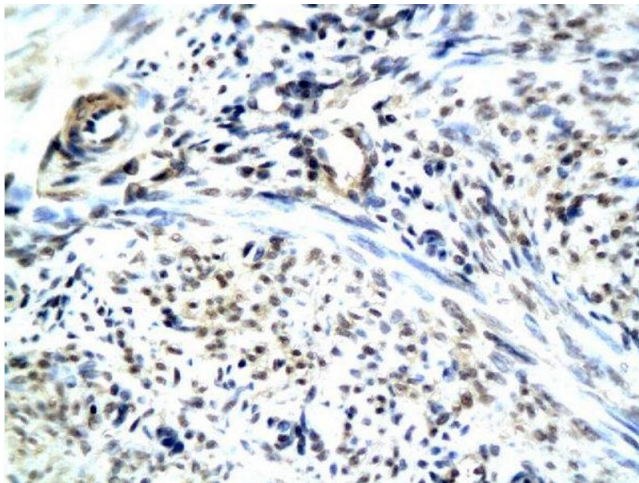
Zheng, Nixdorf-Bergweiler, van Brederode, Alzheimer, Messlinger: "Excitatory Effects of Calcitonin Gene-Related Peptide (CGRP) on Superficial Sp5C Neurons in Mouse Medullary Slices." in: **International journal of molecular sciences**, Vol. 22, Issue 7, (2021) ([PubMed](#)).

Ragauskas, Rysevaite-Kyguoliene, Pauziene, Inokaitis, Pauza: "Chemical phenotypes of intrinsic cardiac neurons in the newborn pig (*Sus scrofa domestica* Erleben, 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](#)).

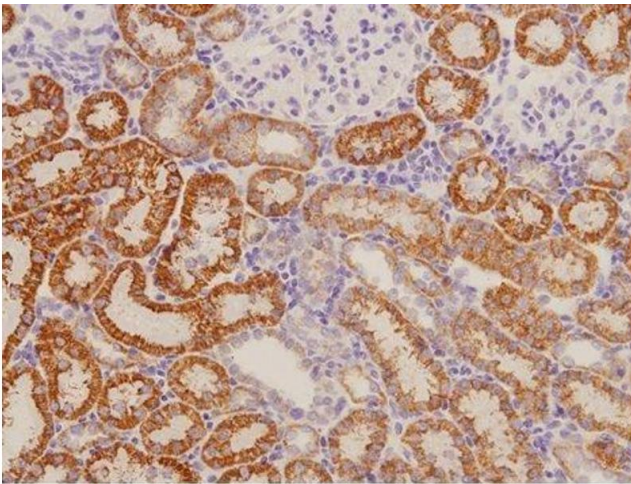
Qiao, Wang, Wang, Zhao, Zhang, Han, Peng: "Intermedin is upregulated and attenuates renal fibrosis by inhibition of oxidative stress in rats with unilateral ureteral obstruction." in: **Nephrology (Carlton, Vic.)**, (2015) ([PubMed](#)).

Images



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.