

Datasheet for ABIN122018

anti-CALCRL antibody (Cytoplasmic Domain)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	CALCRL
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CALCRL antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	Reacts with Calcitonin Receptor-Like Receptor (Family: GPCR, subfamily: Adrenomedullin). BLAST analysis of the peptide immunogen showed no homology with other Human proteins, except CALCRL (56 %).
Cross-Reactivity (Details):	Species reactivity (expected): Mouse (93 % identity and similarity) and Rat (100 % identity and similarity). Species reactivity (tested): Human.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	CALCRL
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Target Details

Alternative Name:	CGRP Type 1 Receptor / CRLR (CALCRL Products)
Background:	Calcitonin receptor-like receptor (CRLR) is an Adrenomedullin Receptor that requires two additional proteins to function: a chaperone protein RAMP (receptor activity modifying protein) and the component protein RCP. The function of CRLR depends on its interaction with RAMP. When coexpressed with RAMP1, CRLR acts as a receptor for calcitonin gene-related peptide (CGRP). In contrast, when CRLR is coexpressed with either RAMP2 or RAMP3, it acts as a receptor for adrenomedullin. Activation of the receptor leads to an increase in intracellular cyclic AMP. CRLR mediates the vasorelaxation of arteries, suggesting a potential role for the receptor in reaction to injury, particularly in the treatment of pulmonary hypertension. CRLR expression has been reported in brain, lung, blood vessel, liver, and intestinal tract. ESTs have been isolated from B-Cell/lung/testis, bone marrow, embryo, lung, and synovium libraries. Synonyms: CALCRL, CGRPR, Calcitonin gene-related peptide type 1 receptor, Calcitonin receptor-like receptor
Gene ID:	10203
UniProt:	Q16602
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Immunohistochemistry with formalin fixed paraffin embedded tissues: 34 µg/mL Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0, at 99-100 °C for 20 min. Remove from heat and let stand at room temperature in buffer for 20 min. Rinse in 1x TBS with Tween (TBST) for 1 min. at room temperature. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. Further Comments: This product was originally produced by MBL International.
Restrictions:	For Research Use only

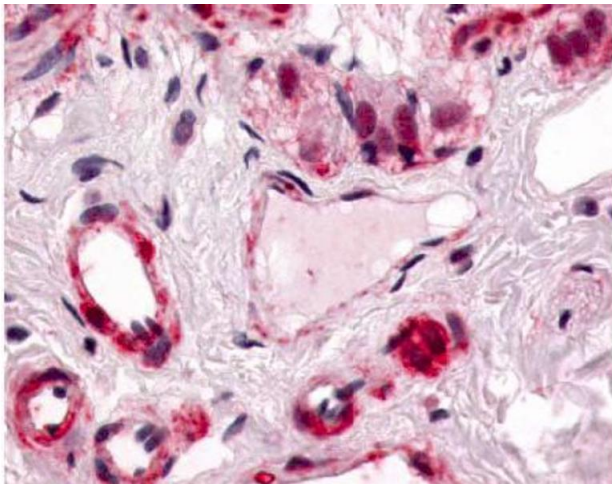
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C to -70 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining on human colon (Submucosal Plexus and Submucosal Vessels) paraffin sections using CRLR antibody ABIN122018.