

Datasheet for ABIN122019
anti-CALCRL antibody (N-Term)



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1 Image

Overview

Quantity:	50 µg
Target:	CALCRL
Binding Specificity:	N-Term
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)
Cross-Reactivity (Details):	Species reactivity (expected): Mouse and Rat. Species reactivity (tested): Human.
Purification:	Immunoaffinity Chromatography.

Target Details

Target:	CALCRL
Alternative Name:	CGRP Type 1 Receptor / CRLR (CALCRL Products)
Background:	Calcitonin receptor-like receptor (CRLR) is an Adrenomedullin Receptor that requires two

Target Details

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: 16 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.
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Restrictions:	For Research Use only
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Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.09 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C

Handling

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

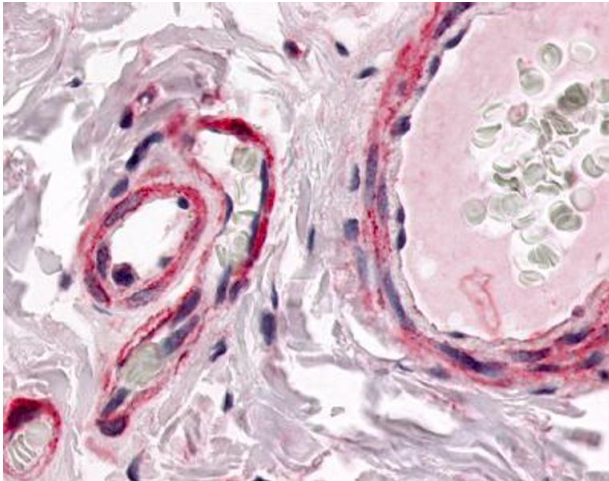


Image 1. Anti CRLR-antibody SP4083 staining human colon (submucosal vessels)