

Rabbit CALCRL / CGRP Receptor Polyclonal Antibody | anti-CALCRL antibody

Rabbit Polyclonal to Human CALCRL / CGRP Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51769	Rabbit	Human (Predicted Reactivity: Monkey, Mouse, Rabbit)	Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

CALCRL / CGRP Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human CALCRL / CGRP Receptor; Anti-CALCRL / CGRP Receptor Antibody (N-Terminus) IHC-plus; CALCRL; CGRP type 1 receptor; Cgrp1 receptor; CRLR; Calcitonin receptor-like; CGRP receptor; CGRPR; Human CALCRL; CGRP Receptor; anti-CALCRL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey, Mouse, Rabbit)
Clonality	Polyclonal
Specificity	Human CALCRL. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CALCRL antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	CALCRL/CGRP Receptor
Family	GPCR/ Adrenomedullin
Immunogen Species	CALCRL/CGRP receptor was raised against human.
Antigen Type	Synthetic peptide
Immunogen	CALCRL/CGRP Receptor antibody was raised against synthetic 15 amino acid peptide from N-Terminus extracellular domain of human CALCRL. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey (100%); Marmoset, Mouse, Rabbit (93%); Rat, Panda, Dog, Horse, Pig (87%); Goat, Bovine (80%).
Epitope	N-Terminus
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to one year. Can be stored undiluted at 4°C for up to one month. Avoid freeze-thaw cycles.

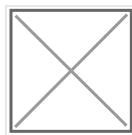
IMAGES



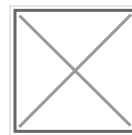
IHC (Immunohistochemistry)
Anti-CALCRL antibody IHC of human colon, submucosal vessels. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemisry)
Anti-CALCRL / CGRP Receptor antibody IHC of human Bone, Osteosarcoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

**IHC (Immunohistochemistry)**

Anti-CALCRL / CGRP Receptor antibody IHC of human Ovary, Carcinoma.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

**IHC (Immunohistochemistry)**

Anti-CALCRL / CGRP Receptor antibody IHC of human Lung, Non-Small Cell Carcinoma.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CALCRL antibody	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.
Product Categories/Family for anti-CALCRL antibody	Family: GPCR; Subfamily: Adrenomedullin

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031621
NCBI GeneID	10203
NCBI Accession #	NP_005786.1
NCBI GenBank Nucleotide #	NM_005795.5
UniProt Accession #	Q16602; Q53S02; Q53TS5; A8K6G5; A8KAD3
NCBI Official Full Name	calcitonin gene-related peptide type 1 receptor
NCBI Official Synonym Full Names	calcitonin receptor-like
NCBI Official Symbol	CALCRL
NCBI Official Synonym Symbols	CRLR; CGRPR
NCBI Protein Information	calcitonin gene-related peptide type 1 receptor; CGRP type 1 receptor; calcitonin receptor-like receptor
UniProt Protein Name	Calcitonin gene-related peptide type 1 receptor
UniProt Gene Name	CALCRL
UniProt Synonym Gene Names	CGRPR; CGRP type 1 receptor
UniProt Entry Name	CALRL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/calcr-cgrp-receptor-antibody-immunohistochemistry-immunohistochemistry-elisa/51769>