

# CGRP Rabbit mAb

Catalog No.: A29139 **Recombinant**

## Basic Information

**Observed MW**

5 kDa

**Calculated MW**

14 kDa

**Category**

Primary antibody

**Applications**

WB, IF/ICC, IHC-P, ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC83670

## Background

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katalcalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katalcalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:10000 - 1:60000**IF/ICC** 1:10000 - 1:20000**IHC-P** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ( $\geq 1:10000$ ) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

## Immunogen Information

**Gene ID**

796

**Swiss Prot**

P06881

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

CT; KC; PCT; CGRP; CALC1; CGRP1; CGRP-I; CGRP-alpha

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

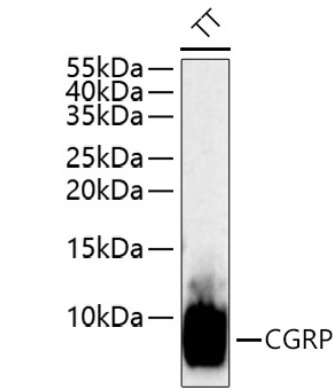
Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



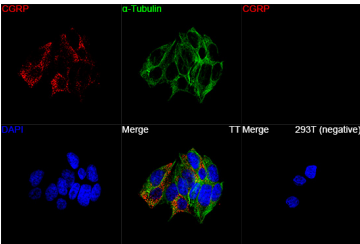
[www.abclonal.com.cn](http://www.abclonal.com.cn)

---

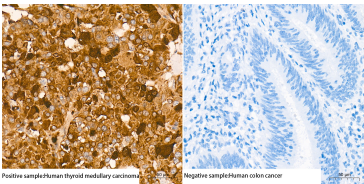
Validation Data



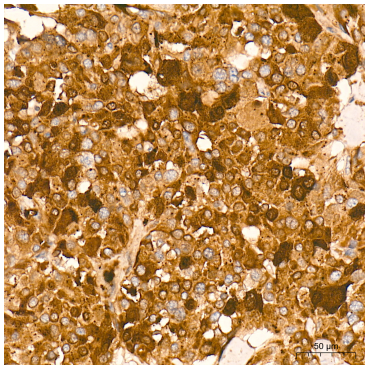
Western blot analysis of lysates from TT cells using CGRP Rabbit mAb (A29139) at 1:20000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1 s.



Confocal imaging of TT cells and 293T cells (negative) using CGRP Rabbit mAb (A29139, dilution 1:20000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human thyroid medullary carcinoma tissue (left, Positive control) and Human colon cancer tissue (right, Negative control), using CGRP Rabbit mAb (A29139) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid medullary carcinoma tissue using CGRP Rabbit mAb (A29139) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.