

# CGRP Rabbit pAb

Catalog No.: A5542 **12 Publications**

## Basic Information

### Observed MW

14kDa

### Calculated MW

13kDa/15kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:2000 - 1:7000
<b>IF/ICC</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

	400-999-6126
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	www.abclonal.com.cn

## Immunogen Information

### Gene ID

796

### Swiss Prot

P01258/P06881

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 49-128 of human CGRP (NP\_001029125.1).

### Synonyms

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

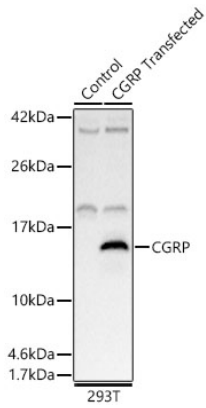
Affinity purification

### Storage

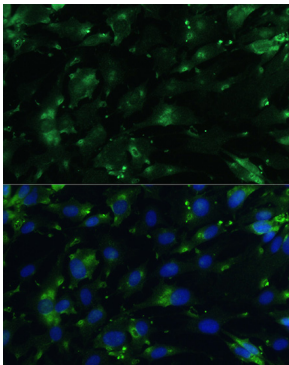
Store at -20°C. Avoid freeze / thaw cycles.

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

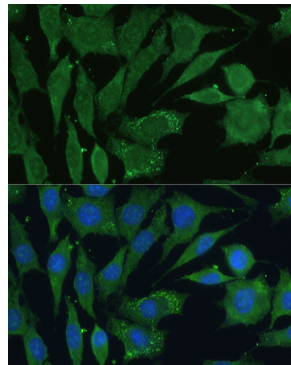
## Validation Data



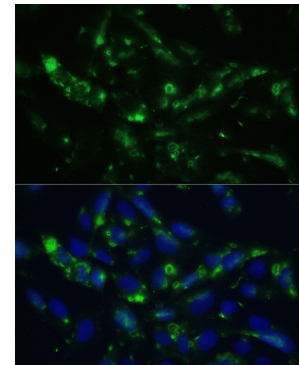
Western blot analysis of lysates from wild type (WT) and 293T cells transfected with CGRP using CGRP Rabbit pAb (A5542) at 1:2000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



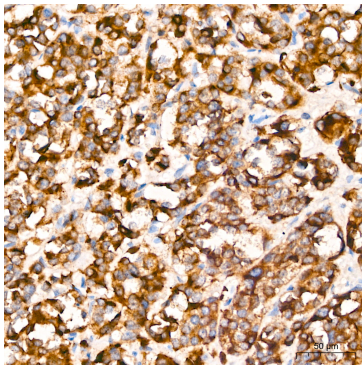
Immunofluorescence analysis of C6 cells using CGRP Rabbit pAb (A5542) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using CGRP Rabbit pAb (A5542) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using CGRP Rabbit pAb (A5542) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid medullary carcinoma tissue using CGRP Rabbit pAb (A5542) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.