

# CGRP Rabbit pAb

Catalog No.: A5542

14 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 katacalcin 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 katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:1000 - 1:5000**IHC-P** 1:2000 - 1:7000**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

796

**Swiss Prot**

P01258/P06881

**Immunogen**

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

**Synonyms**

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

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

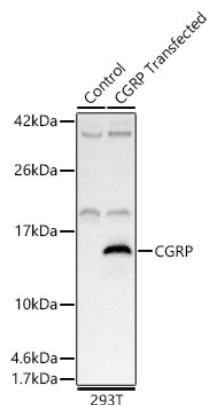
Affinity purification

**Storage**

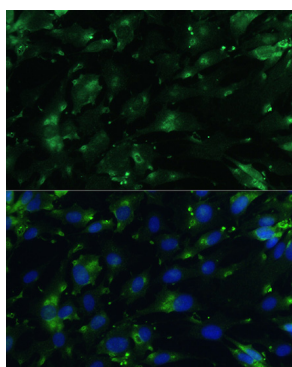
Store at -20°C. Avoid freeze / thaw cycles.

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

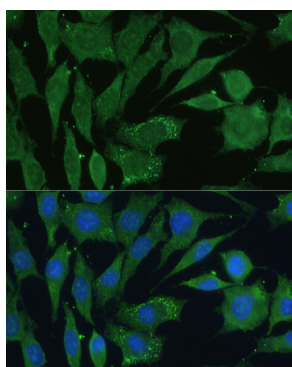
## Validation Data



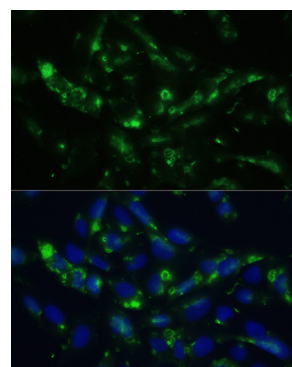
Western blot analysis of lysates from wild type (WT) and 293T cells transfected with CGRP using CGRP Rabbit pAb (A5542) at 1:2000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat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



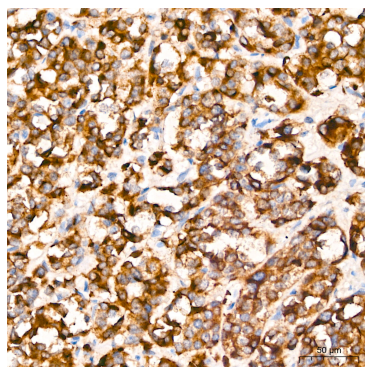
Immunofluorescence analysis of C6 cells using CGRP Rabbit pAb (A5542) at dilution of 1:100. Blue: DAPI for nuclear staining.



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.