

For Research Use Only

# RCAN2 Polyclonal antibody

Catalog Number: 12900-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**

12900-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3597

**GenBank Accession Number:**

BC038509

**GeneID (NCBI):**

10231

**UNIPROT ID:**

Q14206

**Full Name:**

regulator of calcineurin 2

**Calculated MW:**

225 aa, 25 kDa

**Observed MW:**

24 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human gliomas tissue, human skin tissue

## Background Information

RCAN2 is a member of the regulator of calcineurin (RCAN) protein family. These proteins play a role in many physiological processes by binding to the catalytic domain of calcineurin A, inhibiting calcineurin-mediated nuclear translocation of the transcription factor NFATC1. Expression of this gene in skin fibroblasts is upregulated by thyroid hormone, and the encoded protein may also play a role in endothelial cell function and angiogenesis.

## Notable Publications

| Author      | Pubmed ID | Journal           | Application |
|-------------|-----------|-------------------|-------------|
| Yu-Jie Xu   | 34794449  | Cancer Cell Int   | IHC,WB      |
| Wenbo Liu   | 31892848  | Int J Biol Sci    | WB          |
| Yunli Chang | 37535148  | Cell Biol Toxicol | WB,IHC      |

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

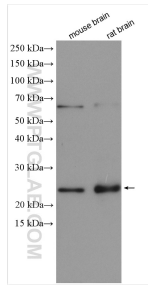
T: 4006900926

E: Proteintech-CN@ptglab.com

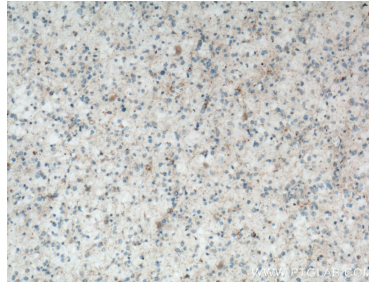
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

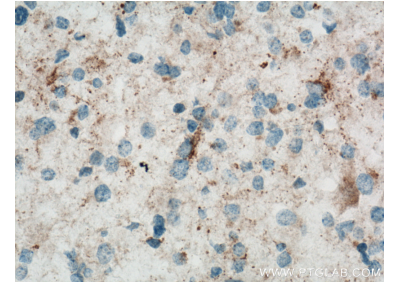
## Selected Validation Data



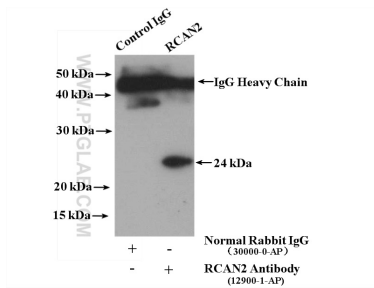
Various lysates were subjected to SDS PAGE followed by western blot with 12900-1-AP (RCAN2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12900-1-AP (RCAN2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12900-1-AP (RCAN2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RCAN2 (IP:12900-1-AP, 4ug; Detection:12900-1-AP 1:300) with mouse brain tissue lysate 4400 ug.