

For Research Use Only

# RCAN2 Polyclonal antibody

Catalog Number: 12900-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 12900-1-AP	<b>GenBank Accession Number:</b> BC038509	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10231	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> regulator of calcineurin 2	<b>Calculated MW:</b> 225 aa, 25 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 24 kDa	<b>Immunogen Catalog Number:</b> AG3597

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue IP : mouse brain tissue, IHC : human gliomas tissue, human skin tissue
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

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

## 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

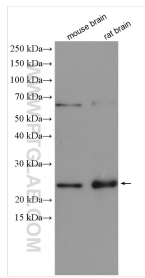
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

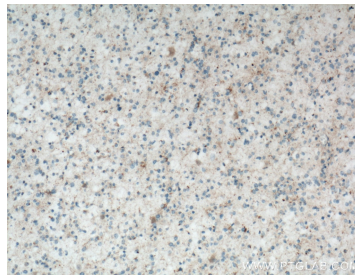
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

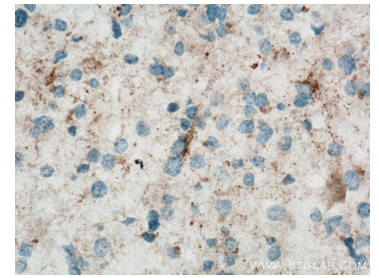
## Selected Validation Data



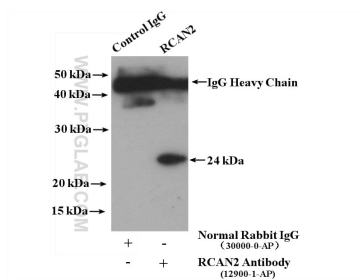
Various lysates were subjected to SDS PAGE followed by western blot with 12900-1-AP (RCAN2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.