

For Research Use Only

RCN2 Polyclonal antibody

Catalog Number: 10193-2-AP

Featured Product

12 Publications



Basic Information

Catalog Number: 10193-2-AP	GenBank Accession Number: BC004892	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5955	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: reticulocalbin 2, EF-hand calcium binding domain	IHC 1:20-1:200 IF 1:350-1:1400
Isotype: IgG	Calculated MW: 37 kDa	
Immunogen Catalog Number: AG0247	Observed MW: 55 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : HEK-293 cells, mouse lung tissue, human brain tissue, HeLa cells

IP : mouse lung tissue,

IHC : human gliomas tissue, human testis tissue

IF : HepG2 cells, HeLa cells

Background Information

Reticulocalbin 2 (RCN2) is a Ca²⁺-binding protein that is specifically localized in the endoplasmic reticulum (ER). It is also termed ERC-55, i.e. ER calcium-binding protein of 55 kDa. It is a single copy gene and is encoded by an approximately 1900-base mRNA, which shows a ubiquitous expression pattern. The protein comprises an amino-terminal signal sequence followed by six copies of the EF-hand Ca²⁺ binding motif.

Notable Publications

Author	Pubmed ID	Journal	Application
Makoto Nakakido	27572108	Int J Oncol	WB,IF
Gang Wang	29218241	Am J Cancer Res	IHC,WB
Chengjie Mei	34094681	Am J Cancer Res	WB

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

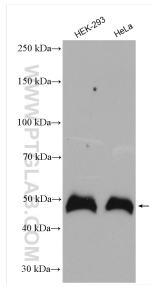
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

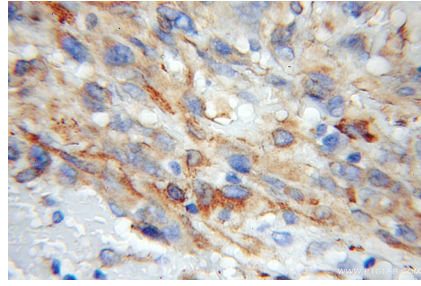
E: proteintech@ptglab.com
W: ptglab.com

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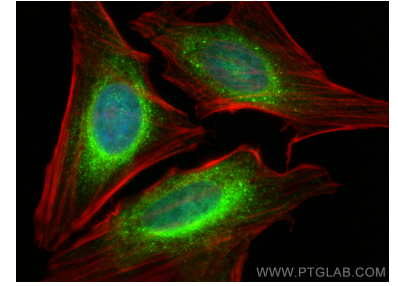
Selected Validation Data



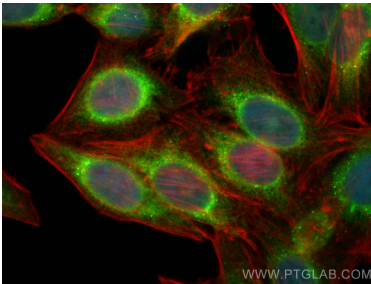
Various lysates were subjected to SDS PAGE followed by western blot with 10193-2-AP (RCN2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



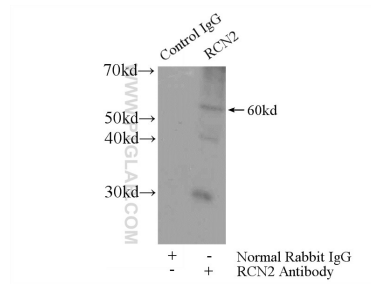
Immunohistochemical analysis of paraffin-embedded human gliomas using 10193-2-AP (RCN2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RCN2 antibody (10193-2-AP) at dilution of 1:700 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RCN2 antibody (10193-2-AP) at dilution of 1:700 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IP Result of anti-RCN2 (IP:10193-2-AP, 4ug; Detection:10193-2-AP 1:400) with mouse lung tissue lysate 2800ug.