

RCN2 Polyclonal Antibody

Catalog number: 10193-2-AP

Size: 44 µg/150 µl

Source: Rabbit

Isotype: IgG

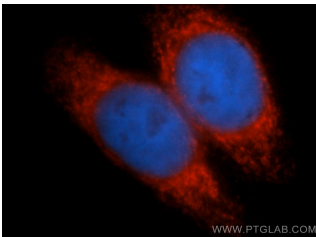
Synonyms:

RCN2; Calcium binding protein

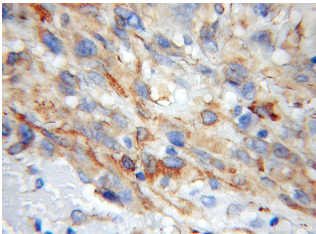
ERC 55, E6 binding protein,

E6BP, ERC 55, ERC55, RCN2,

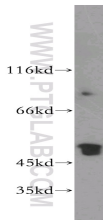
Reticulocalbin 2, TCBP49



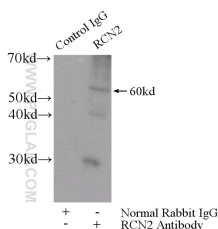
Immunofluorescent analysis of HepG2 cells, using RCN2 antibody 10193-2-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



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



human brain tissue were subjected to SDS PAGE followed by western blot with 10193-2-AP(RCN2 antibody) at dilution of 1:400



Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated RCN2 MW:	37 kDa
Observed RCN2 MW:	55 kDa
Positive WB detected in	Human brain tissue, HEK-293 cells, mouse lung tissue
Positive IP detected in	Mouse lung tissue
Positive IHC detected in	Human gliomas tissue, human testis tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IHC: 1:20-1:200
	IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0247
GenBank accession number:	BC004892
Gene ID (NCBI):	5955
Full name:	Reticulocalbin 2, EF-hand calcium binding domain

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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