

For Research Use Only

# RB1CC1 Polyclonal antibody

Catalog Number: 17250-1-AP

Featured Product

119 Publications



## Basic Information

### Catalog Number:

17250-1-AP

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10508

### GenBank Accession Number:

BC017556

### GeneID (NCBI):

9821

### UNIPROT ID:

Q8TDY2

### Full Name:

RB1-inducible coiled-coil 1

### Calculated MW:

1594 aa, 183 kDa

### Observed MW:

200 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:5000-1:50000

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

IHC: 1:400-1:1600

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, monkey

### Positive Controls:

WB: HEK-293 cells, K-562 cells, Jurkat cells, MCF-7 cells

IP: HEK-293 cells,

IHC: mouse brain tissue, human breast cancer tissue, human liver cancer tissue

IF/ICC: HepG2 cells,

**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

RB1CC1, also named as RBICC or FIP200, is implicated in the regulation of RB1 expression and functions as a DNA-binding transcription factor. It is a potent regulator of the RB1 pathway and a mediator that plays a crucial role in muscular differentiation. Its expression is, thus, a prerequisite for myogenic differentiation. Involved in autophagy. RB1CC1 is required for autophagosome formation. It is probably involved in the tumorigenesis of breast cancer. RB1CC1 is frequently mutated in breast cancer and shows characteristics of a classical tumor suppressor gene. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human RB1CC1. the calculated molecular weight of RB1CC1 is 180 kDa, but the modified RB1CC1 is about 200 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiaoxia Zheng	36198318	Cell	WB,IF,CoIP
Shulin Li	34561617	Cell Res	WB,IF
Luis Muniz-Feliciano	28933590	Autophagy	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

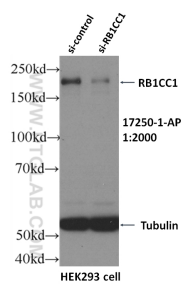
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

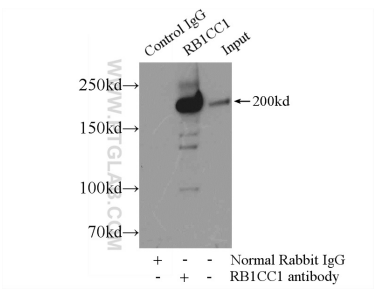
W: [ptgcn.com](http://ptgcn.com)

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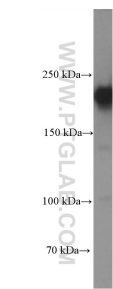
Selected Validation Data



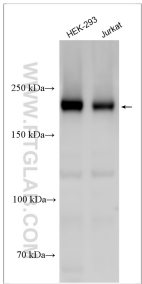
WB result of RB1CC1 antibody (17250-1-AP, 1:2000) with si-Control and si-RB1CC1 transfected HEK293 cells.



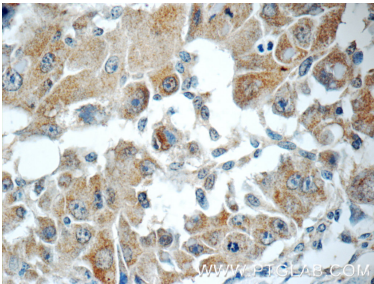
IP result of anti-RB1CC1 (IP:17250-1-AP, 5ug; Detection:17250-1-AP 1:500) with HEK-293 cells lysate 2500ug.



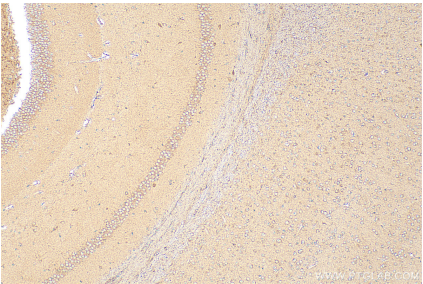
HEK-293 cells were subjected to SDS PAGE followed by western blot with 17250-1-AP (RB1CC1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



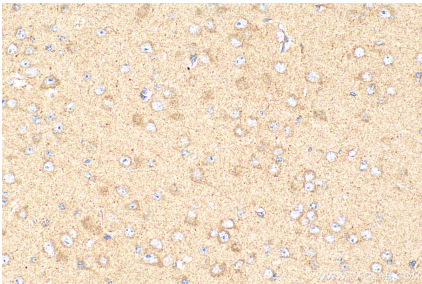
Various lysates were subjected to SDS PAGE followed by western blot with 17250-1-AP (RB1CC1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



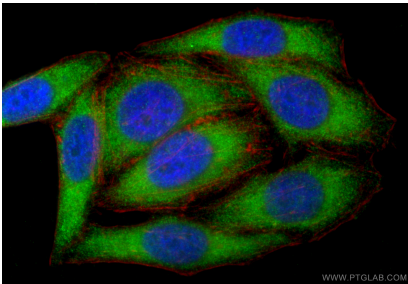
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17250-1-AP (RB1CC1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17250-1-AP (RB1CC1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17250-1-AP (RB1CC1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RB1CC1 antibody (17250-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).