

For Research Use Only

# RB1CC1 Polyclonal antibody

Catalog Number: 21269-1-AP

Featured Product



## Basic Information

### Catalog Number:

21269-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15739

### 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 1:500-1:3000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

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 : HeLa cells, MCF-7 cells, HEK-293 cells

IHC : human ovary cancer tissue,

## Background Information

RB1CC1, also named as RBICC, 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 N terminus of human RB1CC1.

## 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

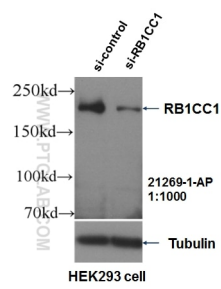
For technical support and original validation data for this product please contact:

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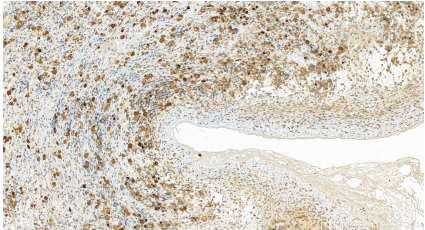
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Selected Validation Data



WB result of RB1CC1 antibody (21269-1-AP, 1:1000) with si-Control and si-RB1CC1 transfected HEK293 cells.

HeLa cells were subjected to SDS PAGE followed by western blot with 21269-1-AP (RB1CC1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 21269-1-AP (RB1CC1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).