

For Research Use Only

# RCC1 Monoclonal antibody

Catalog Number: 67335-1-Ig



## Basic Information

Catalog Number:

67335-1-Ig

Size:

150ul, Concentration: 2200 ug/ml by 1104  
Nanodrop and 1000 ug/ml by Bradford  
method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17809

GenBank Accession Number:

BC010067

GeneID (NCBI):

1104

UNIPROT ID:

P18754

Full Name:

regulator of chromosome  
condensation 1

Calculated MW:

421 aa, 45 kDa

Observed MW:

45-50 kDa

Purification Method:

Protein G purification

CloneNo.:

2C2F5

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

Human, mouse

**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, LNCaP cells, HepG2 cells, Jurkat cells,  
K-562 cells

IHC : mouse brain tissue, human stomach cancer tissue

## Background Information

CHC1, also named as RCC1, promotes the exchange of ran-bound gdp by gtp. It is involved in the regulation of onset of chromosome condensation in the S-phase. Phosphorylation of RCC1 on serines located in or near its nuclear localization signal activates RCC1 to generate RanGTP on mitotic chromosomes, which is required for spindle assembly and chromosome segregation.

## 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

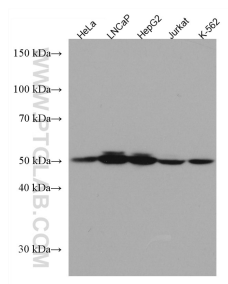
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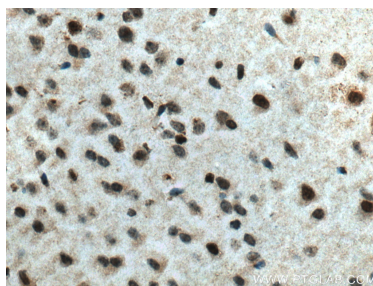
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67335-1-Ig (RCC1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67335-1-Ig (RCC1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).