

For Research Use Only

# RINT1 Polyclonal antibody

Catalog Number: 14567-1-AP

2 Publications



## Basic Information

### Catalog Number:

14567-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6145

### GenBank Accession Number:

BC068483

### GeneID (NCBI):

60561

### UNIPROT ID:

Q6NUQ1

### Full Name:

RAD50 interactor 1

### Calculated MW:

91 kDa

### Observed MW:

87 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**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 : HepG2 cells,

IHC : human breast cancer tissue, human liver cancer tissue

IF/ICC : HepG2 cells,

## Background Information

RINT-1 was first identified as a Rad50-interacting protein that participates in radiation-induced G2/M checkpoint control. It also involved in regulation of membrane traffic between the endoplasmic reticulum and the Golgi. It interacts with p130, an Rb family protein, and together they regulate the telomerase-independent telomere length. Otherwise, it interacts with Zeste white 10 with its N-terminal region throughout the cell cycle.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoting Zhang	39430741	Front Immunol	WB
Robert S Kiss	37774976	J Biol Chem	IF

## 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

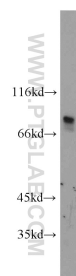
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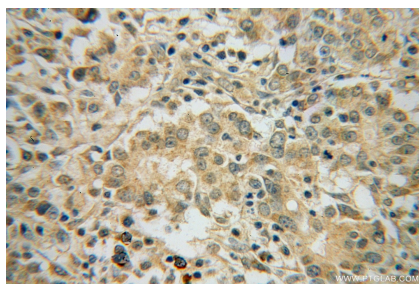
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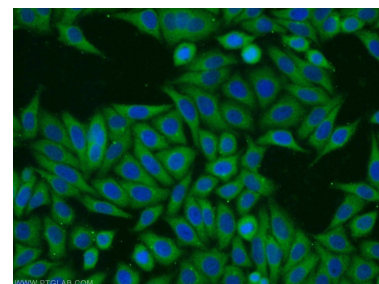
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 14567-1-AP (RINT1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 14567-1-AP (RINT1 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 14567-1-AP (RINT1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).