

For Research Use Only

# RPAP1 Polyclonal antibody

Catalog Number: 15138-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

15138-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 667 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7286

### GenBank Accession Number:

BC000246

### GeneID (NCBI):

26015

### UNIPROT ID:

Q9BWH6

### Full Name:

RNA polymerase II associated protein 1

### Calculated MW:

153 kDa

### Observed MW:

153 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells, HeLa cells, mouse brain tissue

IP : HeLa cells,

## Background Information

RNA polymerase II-associated protein 1 (RPAP1) encodes a nuclear 153-kDa protein, and forms an interface between the RNA polymerase II (RNAPII) enzyme and chaperone/scaffolding protein, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation. RPAP1 is required for interaction of the RNA polymerase II complex with acetylated histone H3 and the subsequent DNA transcription.

## Notable Publications

Author	Pubmed ID	Journal	Application
Isabel Pablos	34672947	Cell Rep	WB
Cian J Lynch	29320736	Cell Rep	WB

## 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

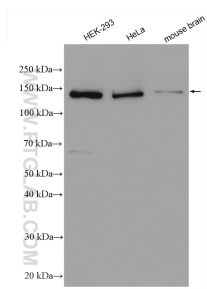
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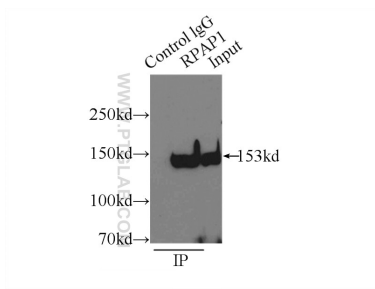
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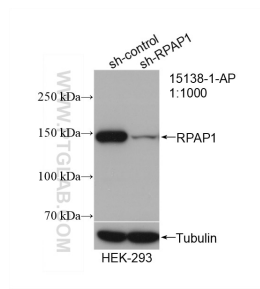
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15138-1-AP (RPAP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-RPAP1 (IP:15138-1-AP, 3ug; Detection:15138-1-AP 1:800) with HeLa cells lysate 3000ug.



WB result of RPAP1 antibody (15138-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RPAP1 transfected HEK-293 cells.