

For Research Use Only

# CoraLite®594-conjugated RPA2 Monoclonal antibody

Catalog Number:CL594-67999



## Basic Information

### Catalog Number:

CL594-67999

### Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG24783

### GenBank Accession Number:

BC001630

### GeneID (NCBI):

6118

### UNIPROT ID:

P15927

### Full Name:

replication protein A2, 32kDa

### Calculated MW:

29 kDa

### Observed MW:

30 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1B9H11

### Recommended Dilutions:

IF/ICC 1:500-1:2000

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

IF/ICC, FC (Intra)

### Species Specificity:

human, mouse, rat, pig

### Positive Controls:

IF/ICC : A431 cells,

## Background Information

RPA2, a subunit of the heterotrimeric replication protein A (RPA) complex, is overexpressed in various cancers. RPA2 is a major target for upstream kinases, including CDKs and the three PIKKs (ATR, ataxia-telangiectasia mutated [ATM], and DNA-PK). RPA2 comprises multiple critical Ser/Thr residues that are phosphorylated in sequential order in response to genotoxic stress.

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

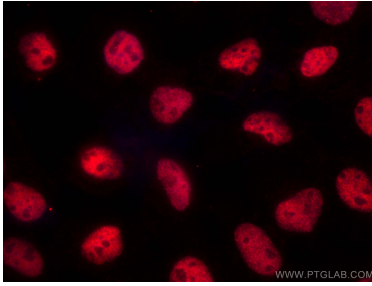
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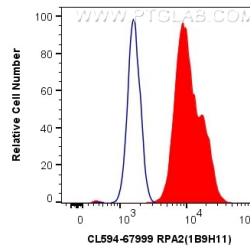
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®594 RPA2 antibody (CL594-67999, Clone: 1B9H11) at dilution of 1:1000.



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human RPA2 (CL594-67999, Clone:1B9H11) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).