

For Research Use Only

# CoraLite®555-conjugated RPA2 Monoclonal antibody



Catalog Number:CL555-67999

## Basic Information

<b>Catalog Number:</b> CL555-67999	<b>GenBank Accession Number:</b> BC001630	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6118	<b>CloneNo.:</b> 1B9H11
<b>Source:</b> Mouse	<b>Full Name:</b> replication protein A2, 32kDa	<b>Recommended Dilutions:</b> IF 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 29 kDa	<b>Excitation/Emission maxima wavelengths:</b> 557 nm / 570 nm
<b>Immunogen Catalog Number:</b> AG24783	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : A431 cells,
<b>Species Specificity:</b> Human, Mouse, Rat, Pig	

## 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

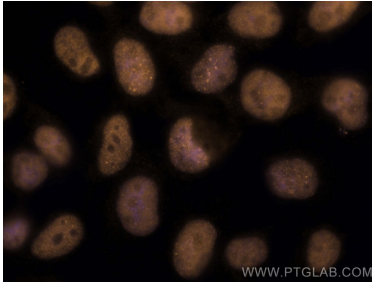
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

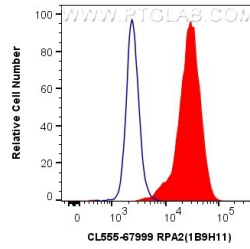
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®555 RPA2 antibody (CL555-67999, Clone: 1B9H11) at dilution of 1:1000.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human RPA2 (CL555-67999, Clone:1B9H11) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).