

CoraLite®555-conjugated RPA2 Monoclonal antibody

Catalog Number: **CL555-67999**

Basic Information

Catalog Number:

CL555-67999

Size:

1000 µg/ml

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:**

557 nm / 570 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:

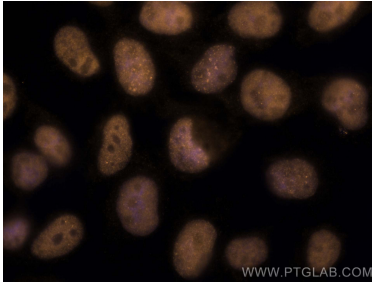
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

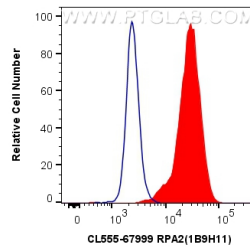
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.



1X10⁶ 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).