

**Product Name: RPA32/RPA2 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe21449**

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## Summary

|                        |                                       |
|------------------------|---------------------------------------|
| <b>Production Name</b> | RPA32/RPA2 Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal Antibody            |
| <b>Host</b>            | Rabbit                                |
| <b>Application</b>     | WB,IHC,IF,IP,ELISA                    |
| <b>Reactivity</b>      | Human,Mouse,Rat                       |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | IgG,Kappa                                                                                |
| <b>Clonality</b>    | Monoclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein                            |
| <b>Purification</b> | Protein A                                                                                |

## Immunogen

|                          |                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | RPA2                                                                                                                                                             |
| <b>Alternative Names</b> | RPA2;REPA2;RPA32;RPA34;Replication protein A 32 kDa subunit;RP-A p32;Replication factor A protein 2;RF-A protein 2;Replication protein A 34 kDa subunit;RP-A p34 |
| <b>Gene ID</b>           | 6118.0                                                                                                                                                           |
| <b>SwissProt ID</b>      | P15927.                                                                                                                                                          |

## Application

|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| <b>Dilution Ratio</b>   | IHC 1:1000-1:4000;WB 1:1000-1:5000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200, |
| <b>Molecular Weight</b> | Calculated MW:29kD;Observed MW:29kD                                                    |

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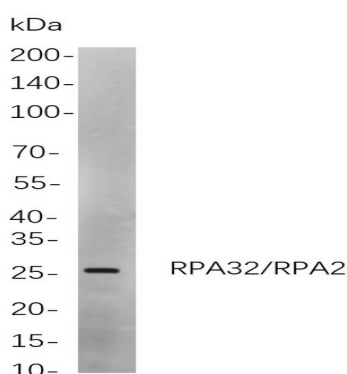
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## Background

Cell localization:Nucleus.function:Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.,PTM:Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis). Phosphorylated by ATR upon DNA damage, which promotes its translocation to nuclear foci. Can be phosphorylated in vitro by PRKDC/DNA-PK in the presence of Ku and DNA, and by CDC2.,subcellular location:Also present in PML nuclear bodies. Redistributes to discrete nuclear foci upon DNA damage.,subunit:Heterotrimer of 70, 32 and 14 kDa chains. The DNA-binding activity may reside exclusively on the 70 kDa subunit. Binds to SERTAD3/RBT1. Interacts with TIPIN.,

## Research Area

## Image Data



Western blot analysis of lysates from Jurkat

cells, using RPA32/RPA2 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

## Note

For research use only.