

For Research Use Only

# RPA2 Recombinant monoclonal antibody

Catalog Number: 87254-1-RR



## Basic Information

|                                            |                                                    |                                                                             |
|--------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>87254-1-RR       | <b>GenBank Accession Number:</b><br>BC001630       | <b>Purification Method:</b><br>Protein A purification                       |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>6118                      | <b>CloneNo.:</b><br>252472D6                                                |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>P15927                       | <b>Recommended Dilutions:</b><br>WB: 1:5000-1:50000<br>IF/ICC: 1:500-1:2000 |
| <b>Immunogen Catalog Number:</b><br>AG0690 | <b>Full Name:</b><br>replication protein A2, 32kDa |                                                                             |
|                                            | <b>Calculated MW:</b><br>29 kDa                    |                                                                             |
|                                            | <b>Observed MW:</b><br>32 kDa                      |                                                                             |

## Applications

|                                                  |                                                                                                                        |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, IF/ICC, ELISA | <b>Positive Controls:</b>                                                                                              |
| <b>Species Specificity:</b><br>human, mouse, rat | <b>WB :</b> rat testis tissue, HeLa cells, HEK-293 cells, Jurkat cells, MOLT-4 cells, THP-1 cells, mouse testis tissue |
|                                                  | <b>IF/ICC :</b> 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/Tr residues that are phosphorylated in sequential order in response to genotoxic stress.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

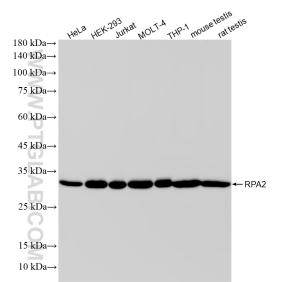
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

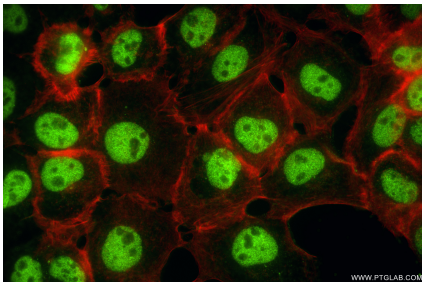
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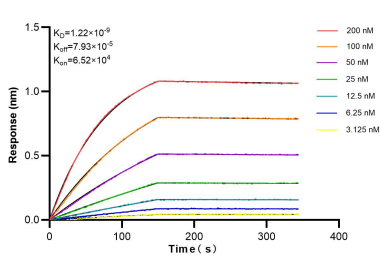
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87254-1-RR (RPA2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using RPA2 antibody (87254-1-RR, Clone: 252472D6) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 87254-1-RR against Human RPA were performed. The affinity constant is 1.22 nM.