

## Rabbit anti-Human RPA 14 kDa subunit Polyclonal Antibody | anti-RPA3 antibody

RPA 14 kDa subunit antibody

|                               |                       |                            |                                                           |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA304499</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

RPA 14 kDa subunit; Polyclonal Antibody; RPA 14 kDa subunit antibody; anti-RPA3 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                      |
| Reactivity                                     | Human                                                                                                                       |
| Clonality                                      | Polyclonal                                                                                                                  |
| Purity/Purification                            | Purified by antigen-affinity chromatography.                                                                                |
| Form/Format                                    | Supplied in 1XPBS, 1%BSA, 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.                               |
| Sequence Length                                | 121                                                                                                                         |
| Applicable Applications for anti-RPA3 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                               |
| Immunogen Type                                 | Recombinant protein                                                                                                         |
| Immunogen Description                          | Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 91 of RPA 14 kDa subunit |
| Target Name                                    | RPA 14 kDa subunit                                                                                                          |
| Preparation and Storage                        | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                     |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded lung CA patient tumor, using RPA 14 kDa subunit antibody at 1: 100 dilution.



#### Application Data

Sample(30 ug of whole cell lysate)A: HeLa S3 B: Hep G2 C: MOLT415% SDS PAGEPrimary antibody diluted at 1: 1000

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RPA3 antibody | Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange. |
| Product Categories/Family for anti-RPA3 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4506587                                |
| NCBI GeneID                      | 6119                                   |
| NCBI Accession #                 | NP_002938                              |
| NCBI GenBank Nucleotide #        | NM_002947.3                            |
| Molecular Weight                 | 13,569 Da                              |
| NCBI Official Full Name          | replication protein A 14 kDa subunit   |
| NCBI Official Synonym Full Names | replication protein A3, 14kDa          |
| NCBI Official Symbol             | RPA3                                   |
| NCBI Official Synonym Symbols    | REPA3                                  |
| NCBI Protein Information         | replication protein A 14 kDa subunit   |
| UniProt Protein Name             | Replication protein A 14 kDa subunit   |
| UniProt Gene Name                | <b>RPA3</b>                            |
| UniProt Synonym Gene Names       | REPA3; RPA14; RP-A p14; RF-A protein 3 |
| UniProt Entry Name               | RFA3_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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