

RPA32/RPA2 (Phospho Ser8) Rabbit pAb

CatalogNo: YP1470

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 32kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human RPA32 and RPA2 (Ser8)

Specificity This antibody detects endogenous levels of Human RPA32 or RPA2 (phospho-Ser8)

Target Information

Gene name RPA2 REPA2 RPA32 RPA34

Protein Name

RPA32/RPA2 (Ser8)

Organism	Gene ID	UniProt ID
Human	6118;	P15927;
Mouse		Q62193;
Rat	59102;	Q63528;

Cellular Localization

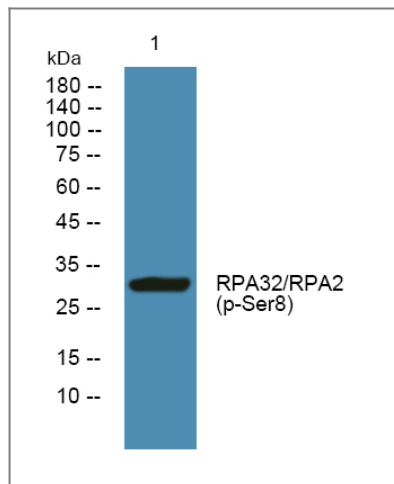
Nucleus . Nucleus , PML body . Redistributes to discrete nuclear foci upon DNA damage in an ATR-dependent manner. .

Tissue specificity Kidney ,Lung ,Muscle ,

Function

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. ,

Validation Data



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4°C over night

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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(Phospho Ser8)
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