

RPA32/RPA2 (Phospho Ser8) rabbit pAb

Catalog No :	YP1470
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	RFA2
Fields :	>>DNA replication;>>Nucleotide excision repair;>>Mismatch repair;>>Homologous recombination;>>Fanconi anemia pathway
Gene Name :	RPA2 REPA2 RPA32 RPA34
Protein Name :	RPA32/RPA2 (Ser8)
Human Gene Id :	6118
Human Swiss Prot No :	P15927
Mouse Swiss Prot No :	Q62193
Rat Gene Id :	59102
Rat Swiss Prot No :	Q63528
Immunogen :	Synthesized phospho peptide around human RPA32 and RPA2 (Ser8)
Specificity :	This antibody detects endogenous levels of Human RPA32 or RPA2 (phospho-Ser8)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	32kD
Cell Pathway :	DNA replication;Nucleotide excision repair;Mismatch repair;Homologous recombination;
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.,
Subcellular Location :	Nucleus . Nucleus, PML body . Redistributes to discrete nuclear foci upon DNA damage in an ATR-dependent manner. .
Expression :	Kidney,Lung,Muscle,

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