

RPA32 Polyclonal Antibody

Catalog No :	YT4170
Reactivity :	Human;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	RFA2
Fields :	>>DNA replication;>>Nucleotide excision repair;>>Mismatch repair;>>Homologous recombination;>>Fanconi anemia pathway
Gene Name :	RPA2
Protein Name :	Replication protein A 32 kDa subunit
Human Gene Id :	6118
Human Swiss Prot No :	P15927
Mouse Swiss Prot No :	Q62193
Immunogen :	The antiserum was produced against synthesized peptide derived from human RFA2. AA range:10-59
Specificity :	RPA32 Polyclonal Antibody detects endogenous levels of RPA32 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-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;

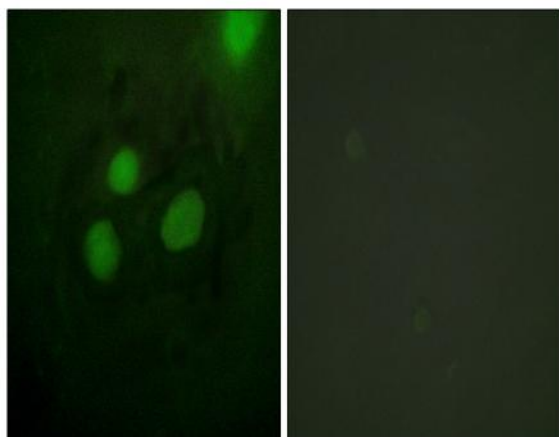
Background : function:Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.,PTM:Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis). Phosphorylated by ATR upon DNA damage, which promotes 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.,

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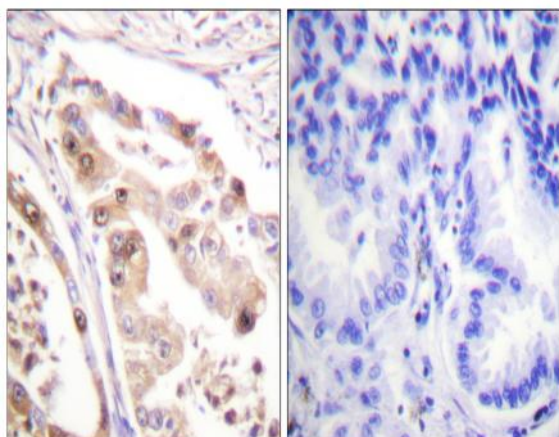
Subcellular Location : Nucleus . Nucleus, PML body . Redistributes to discrete nuclear foci upon DNA damage in an ATR-dependent manner. .

Expression : Kidney,Lung,Muscle,

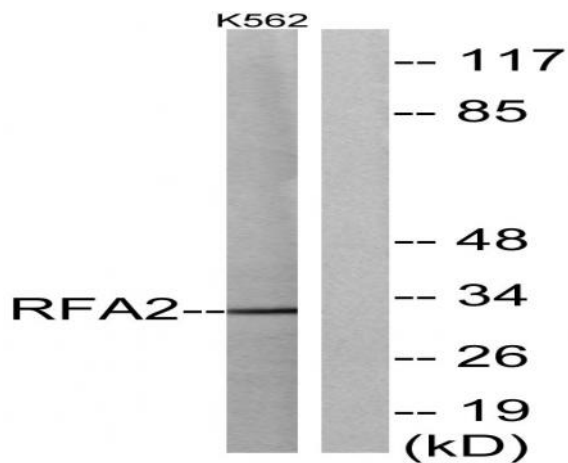
Products Images



Immunofluorescence analysis of HeLa cells, using RFA2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using RFA2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using RFA2 Antibody. The lane on the right is blocked with the synthesized peptide.