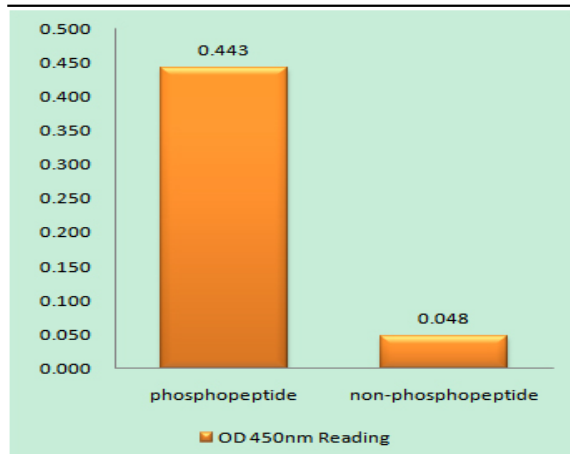


## RPA32 (phospho Thr21) Polyclonal Antibody

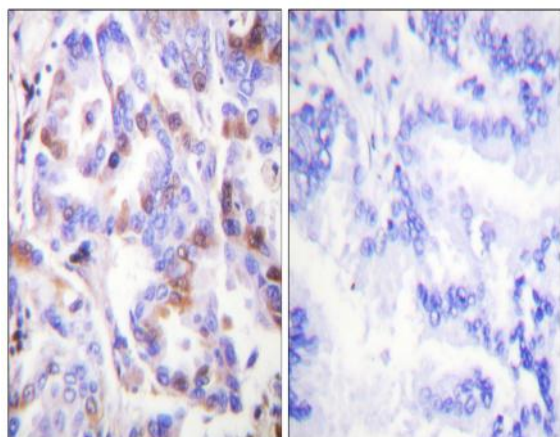
<b>Catalog No :</b>	YP0743
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	RFA2
<b>Fields :</b>	>>DNA replication;>>Nucleotide excision repair;>>Mismatch repair;>>Homologous recombination;>>Fanconi anemia pathway
<b>Gene Name :</b>	RPA2
<b>Protein Name :</b>	Replication protein A 32 kDa subunit
<b>Human Gene Id :</b>	6118
<b>Human Swiss Prot No :</b>	P15927
<b>Mouse Swiss Prot No :</b>	Q62193
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human RFA2 around the phosphorylation site of Thr21. AA range:10-59
<b>Specificity :</b>	Phospho-RPA32 (T21) Polyclonal Antibody detects endogenous levels of RPA32 protein only when phosphorylated at T21.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

<b>Storage Stability :</b>	-15 °C to -25 °C/1 year(Do not lower than -25 °C)
<b>Observed Band :</b>	35kD
<b>Cell Pathway :</b>	DNA replication;Nucleotide excision repair;Mismatch repair;Homologous recombination;
<b>Background :</b>	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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<b>Subcellular Location :</b>	Nucleus . Nucleus, PML body . Redistributes to discrete nuclear foci upon DNA damage in an ATR-dependent manner. .
<b>Expression :</b>	Kidney,Lung,Muscle,

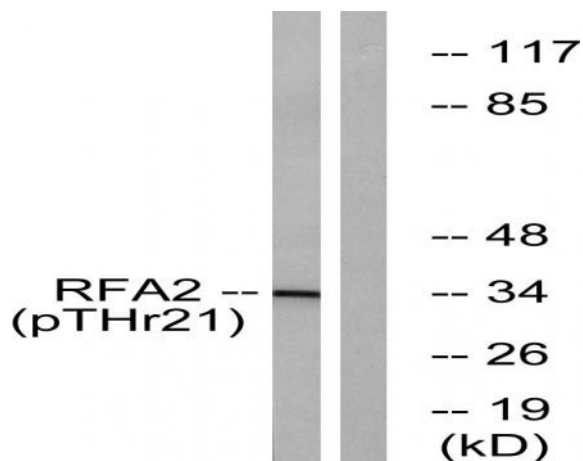
## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using RFA2 (Phospho-Thr21) Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using RFA2 (Phospho-Thr21) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from HeLa cells treated with Adriamycin 0.5ug/ml 24h, using RFA2 (Phospho-Thr21) Antibody. The lane on the right is blocked with the phosphopeptide.