

## RPA32/RPA2 mouse mAb

<b>Catalog No :</b>	YM1388
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IP;ICC
<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>Human Gene Id :</b>	6118
<b>Human Swiss Prot No :</b>	P15927
<b>Mouse Swiss Prot No :</b>	Q62193
<b>Immunogen :</b>	Purified recombinant human RPA32/RPA2 protein fragments expressed in E.coli.
<b>Specificity :</b>	This antibody detects endogenous levels of RPA32/RPA2 and does not cross-react with related proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb dilution 1:2000 icc dilution 1:200
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites 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)

**Observed Band :** 32kD

**Cell Pathway :** DNA replication;Nucleotide excision repair;Mismatch repair;Homologous recombination;

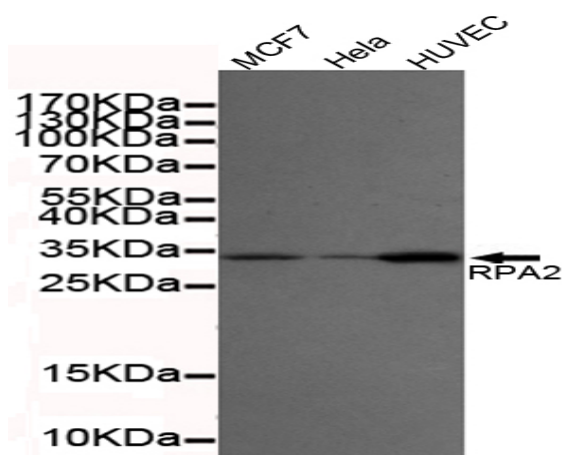
**Background :** function:Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.,PTM:Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis). Phosphorylated by ATR upon DNA damage, which 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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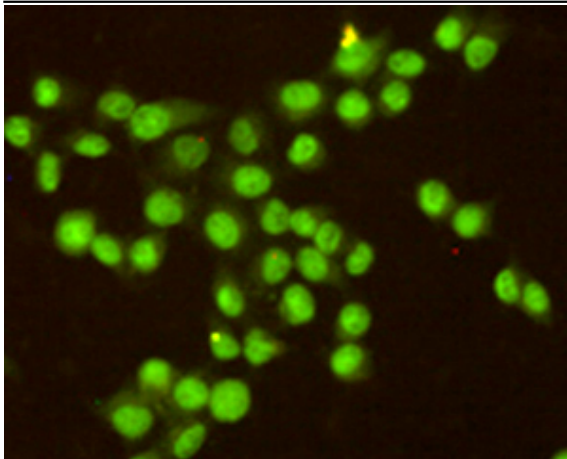
**Subcellular Location :** Nucleus . Nucleus, PML body . Redistributes to discrete nuclear foci upon DNA damage in an ATR-dependent manner. .

**Expression :** Kidney,Lung,Muscle,

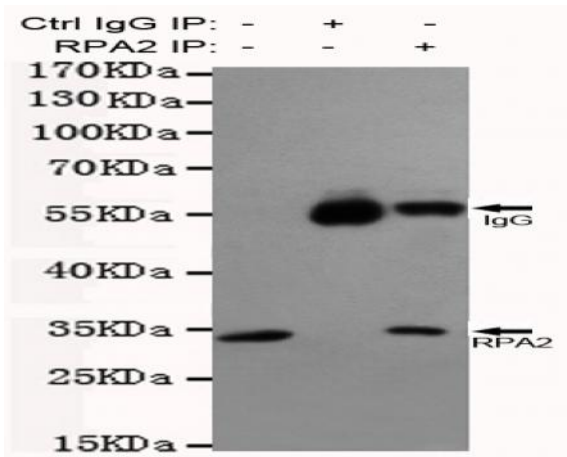
## Products Images



Western blot detection of RPA32/RPA2 in MCF7,HeLa and HUVEC cell lysates using RPA32/RPA2 mouse mAb (1:2000 diluted).Predicted band size:32KDa.Observed band size:32KDa.Exposure time:20s.



Immunocytochemistry staining of HeLa cells fixed with  $-20^{\circ}\text{C}$  Methanol and using anti-RPA32/RPA2 antibody (dilution 1:200).



Immunoprecipitation analysis of HeLa cell lysates using RPA32/RPA2 mouse mAb.