

## RPA70 mouse mAb

<b>Catalog No :</b>	YM1383
<b>Reactivity :</b>	Human;Monkey;Mouse;Rat
<b>Applications :</b>	WB;ICC;IP
<b>Target :</b>	RPA70
<b>Fields :</b>	>>DNA replication;>>Nucleotide excision repair;>>Mismatch repair;>>Homologous recombination;>>Fanconi anemia pathway
<b>Gene Name :</b>	rpa70
<b>Human Gene Id :</b>	6117
<b>Human Swiss Prot No :</b>	P27694
<b>Mouse Swiss Prot No :</b>	Q8VEE4
<b>Immunogen :</b>	Purified recombinant human RPA70 protein fragments expressed in E.coli.
<b>Specificity :</b>	This antibody detects endogenous levels of RPA70 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 1:1000 icc dilution 1:100
<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)
<b>Observed Band :</b>	70kD

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

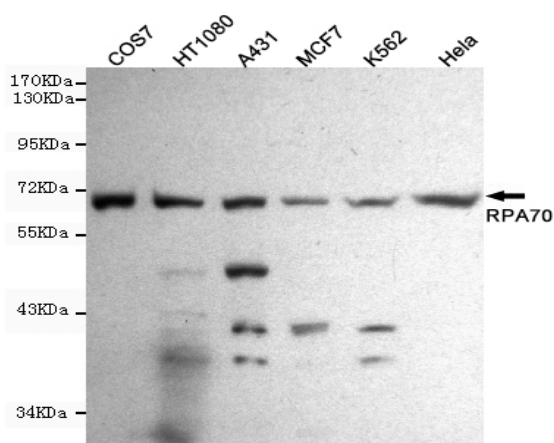
**Background :** function:It participates in a very early step in initiation. RP-A is a single-stranded DNA-binding protein. Absolutely required for simian virus 40 DNA replication in vitro.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the replication factor A protein 1 family.,subunit:Heterotrimer of 70, 32 and 14 kDa chains. The DNA-binding activity may reside exclusively on the 70 kDa subunit. Interacts with RIP and XPA. Interacts with RPA4.,

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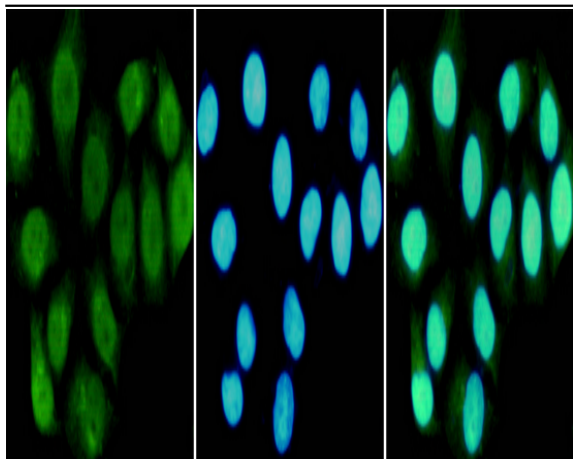
**Subcellular Location :** Nucleus . Nucleus, PML body . Enriched in PML bodies in cells displaying alternative lengthening of their telomeres. .

**Expression :** Aorta,Aortic endothelium,Lung carcinoma,Uterus,

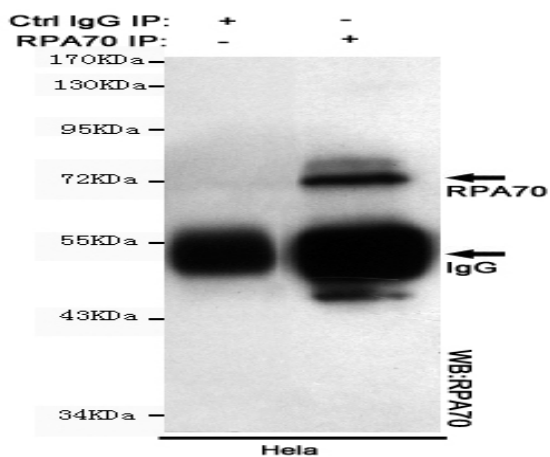
## Products Images



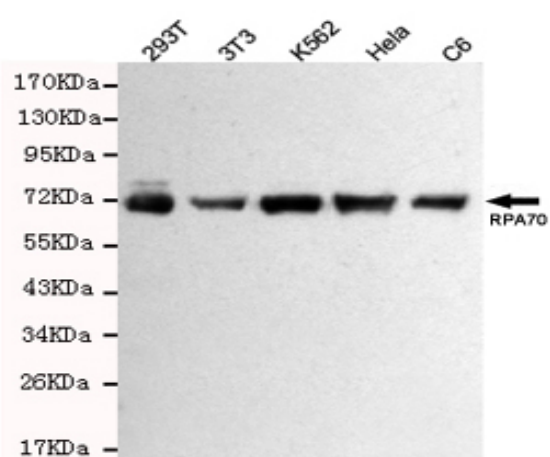
Western blot detection of RPA70 in HeLa,A431,MCF7,COS7,HT1080 and K562 cell lysates using RPA70 mouse mAb (1:1000 diluted).Predicted band size:70KDa.Observed band size:70KDa.



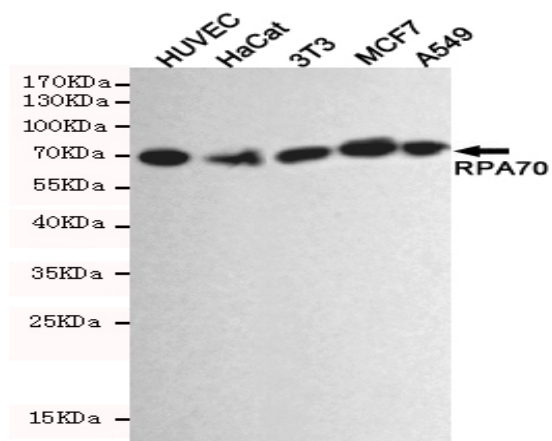
Immunocytochemistry staining of HeLa cells fixed in 1% Paraformaldehyde and using RPA70 mouse mAb (dilution 1:100).



Immunoprecipitation analysis of HeLa cell lysates using RPA70 mouse mAb.



Western blot detection of RPA70 in HeLa,293T,C6,3T3 and K562 cell lysates using RPA70 mouse mAb (1:1000 diluted).Predicted band size:70KDa.Observed band size:70KDa.



Western blot detection of RPA70 in HUVEC, HaCat, 3T3, MCF7 and A549 cell lysates using RPA70 mouse mAb (1:2000 diluted). Predicted band size: 70 kDa. Observed band size: 70 kDa.