

## RPA70 Monoclonal Antibody

Catalog No: #27212



Package Size: #27212-1 50ul #27212-2 100ul #27212-4 25ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

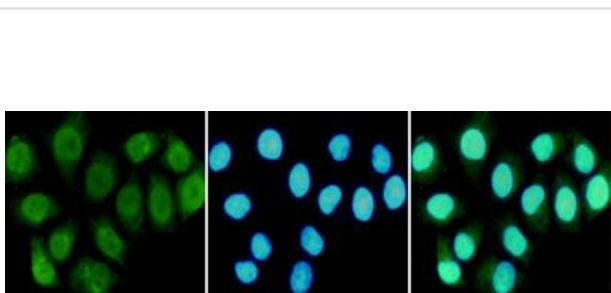
Product Name	RPA70 Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	8C3-D12-H10
Isotype	IgG2a
Purification	Affinity purified
Applications	WB ICC IP
Species Reactivity	Hu Mk Ms Rt
Specificity	This antibody detects endogenous levels of RPA70 and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human RPA70 protein fragments expressed in E.coli.
Target Name	RPA70
Other Names	Dmrrp1; Drosophila Replication Protein A; DRPA; HSSB; Human single stranded DNA binding protein; MST075; MSTP075; p70; REPA1; Replication factor A; Replication factor A protein 1; Replication protein A 70 kDa DNA-binding subunit;
Accession No.	Uniprot: P27694 Gene ID: 6117
SDS-PAGE MW	70kd
Formulation	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Storage	store at -20 $\wedge$ C

## Application Details

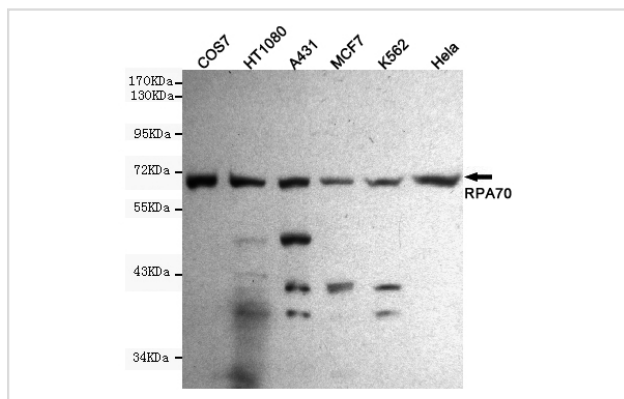
Western blotting: 1:1000

Immunocytochemistry: 1:100

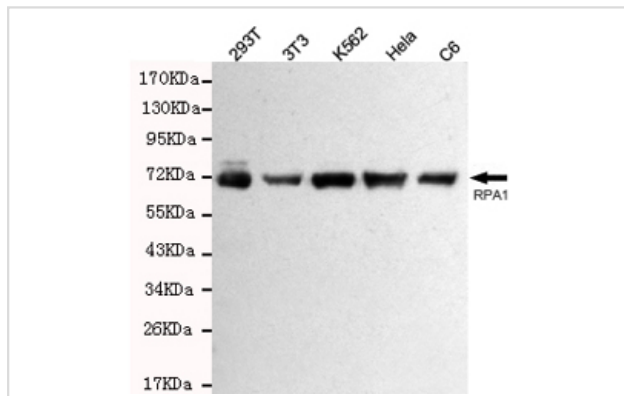
## Images



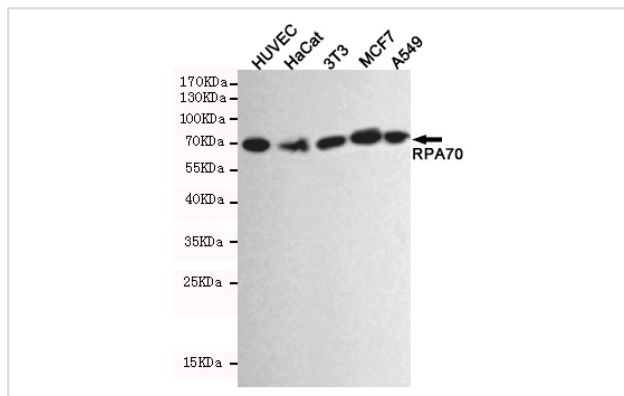
Immunocytochemistry staining of HeLa cells fixed in 1% Paraformaldehyde and using anti-RPA70 antibody (dilution 1:100).



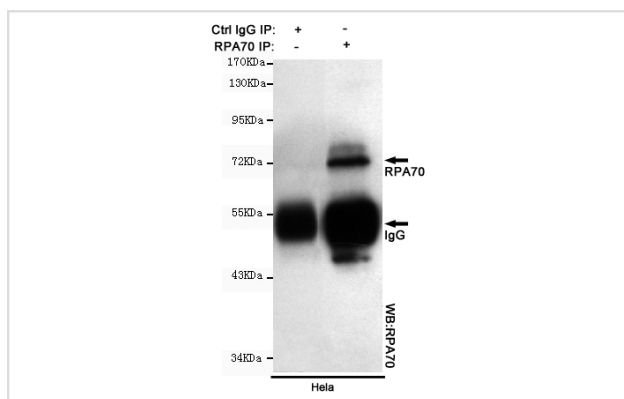
Western blot detection of RPA70 in HeLa,A431,MCF7,COS7,HT1080 and K562 cell lysates using RPA70 antibody (1:1000 diluted).Predicted band size:70KDa.Observed band size:70KDa.



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



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



Immunoprecipitation analysis of HeLa cell lysates using RPA70 antibody.

## Background

Plays an essential role in several cellular processes in DNA metabolism including replication, recombination and DNA repair. Binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing. Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.

---

Note: This product is for in vitro research use only and is not intended for use in humans or animals.