

RPA70 Monoclonal Antibody

Catalog No: #27212



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

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Description

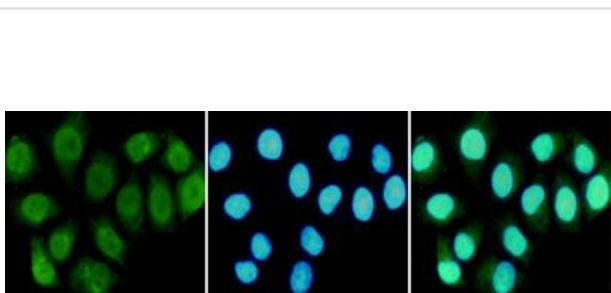
Product Name	RPA70 Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	8C3-D12-H10
Isotype	IgG2a
Purification	Affinity purified
Applications	WB ICC IP
Species Reactivity	Hu Mk Ms Rt
Specificity	This antibody detects endogenous levels of RPA70 and does not cross-react with related proteins.
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

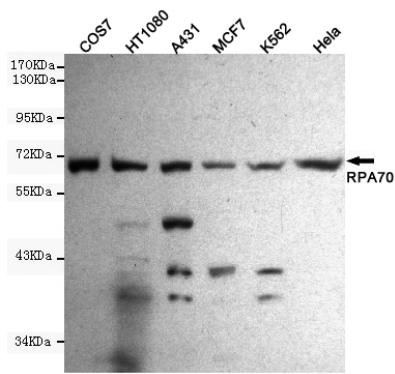
Western blotting: 1:1000

Immunocytochemistry: 1:100

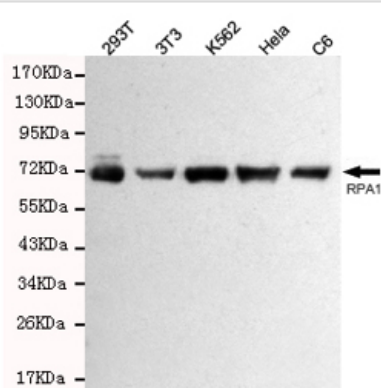
Images



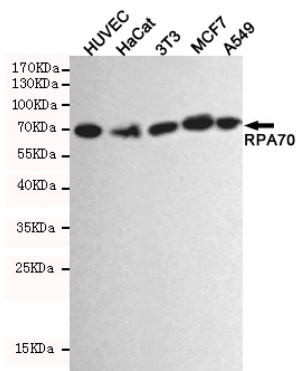
Immunocytochemistry staining of HeLa cells fixed in 1% Paraformaldehyde and using anti-RPA70 antibody (dilution 1:100).



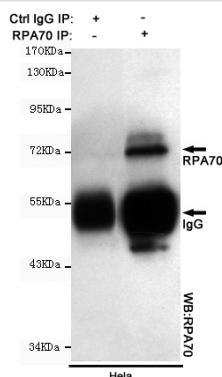
Western blot detection of RPA70 in HeLa,A431,MCF7,COS7,HT1080 and K562 cell lysates using RPA70 antibody (1:1000 diluted).Predicted band size:70KDa.Observed band size:70KDa.



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.