RPA32 (3E7) Mouse mAb

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Research Area:	Autophagy antibody Cancer Cardiovascular Cell Biology Epigenetics & Nuclear Signaling Developmental Biologys Immunology Drug Discovery Products Metabolism Neuroscience Signal Transduction Stem Cells
Antibody type:	Monoclonal Antibody
Applications:	WB,ICC/IF,IP
Reactivity:	Human
Molecular Weight:	Calculated MW: 29 kDa; Observed MW: 32 kDa
Immunogen:	Purified recombinant human RPA32/RPA2 protein fragments expressed in E.coli.
Gene ID:	6118
Swiss-Prot No.:	P15927
Alternname:	60S acidic ribosomal protein P1; AA409079; AI325195; AU020965; HSSB; ik:tdsubc_2g1; M(2)21C; MGC137236; OTTHUMP00000004008; p32; p34; RCJMB04_6d17 replication protein A2; 32kDa; REPA 2; REPA1; REPA2; Replication factor A protein 2; Replication protein A 32 kDa subunit; Replication protein A 32kDa subunit; Replication protein A 34 kDa subunit; Replication protein A; replication protein A1 (70kD); Replication Protein A2 (32kDa); Replication protein A2 32kD; Replication protein A2 32kDa; Replication protein A2; Replication protein A2; 32kDa; RF A; RF-A protein

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	2; Rf-A2; RFA; RFA2_HUMAN; RP A; RP-A p32; RP-A p34; RP21C; RPA 2; RPA 32; RPA; RPA2; RPA32; RPA34; RPA70; RpLP1; RpP2; xx:tdsubc_2g1; zgc:109822.
Source:	Mouse
Isotype:	IgG2b
Clone Number:	3E7-B5-F2
Purification:	Affinity Purified
Storage/Stability:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Background:	As part of the heterotrimeric replication protein A complex (RPA/RP-A), binds and stabilizes single-stranded DNA intermediates, that form during DNA replication or upon DNA stress. It prevents their reannealing and in parallel, recruits and activates different proteins and complexes involved in DNA metabolism. Thereby, it plays an essential role both in DNA replication and the cellular response to DNA damage. In the cellular response to DNA damage, the RPA complex controls DNA repair and DNA damage checkpoint activation.
Shipping&Stablity:	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Product Type:	Primary Antibody
Gene Name:	RPA2
Recommended Dilutions:	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Form of Antibody:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

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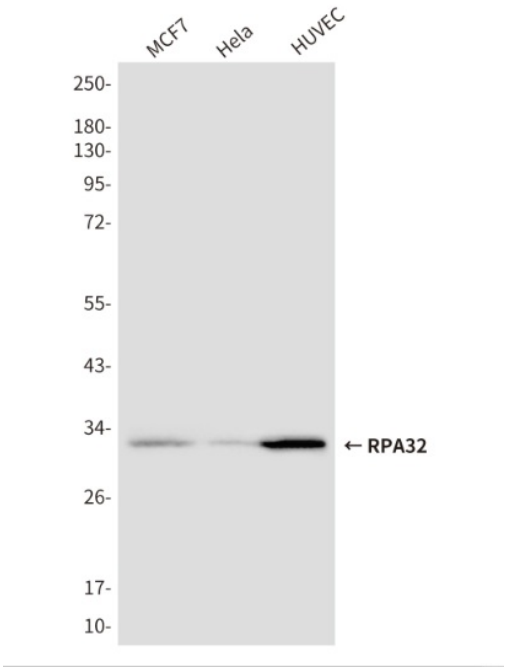
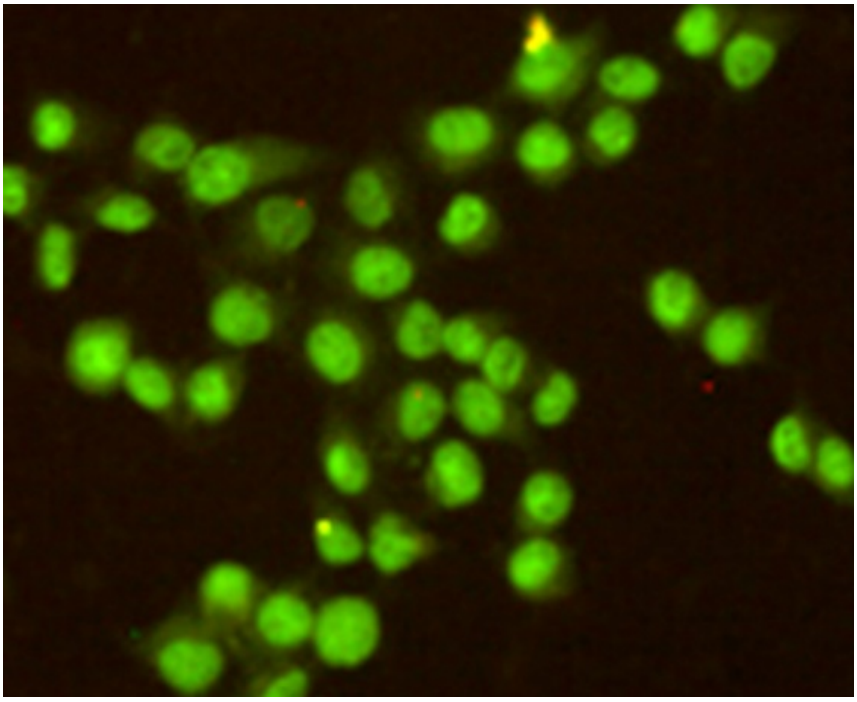
	
	Western blot analysis of RPA32/RPA2 in MCF-7, Hela and HUVEC lysates using RPA32/RPA2 antibody.
	
	Immunocytochemistry analysis of RPA32 (3E7) in HeLa using RPA32/RPA2 antibody.