Mouse anti-Human RPA32/RPA2 Monoclonal Antibody | anti-RPA32/RPA2 antibody

RPA32/RPA2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320375	**Mouse**	**Human**	**Immunocytochemistry, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

RPA32/RPA2; Monoclonal Antibody; RPA32/RPA2 Mouse mAb; 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; RF A; RF-A protein 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.; anti-RPA32/RPA2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of RPA32/RPA2 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RPA32/RPA2 antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human RPA32/RPA2 protein fragments expressed in E coli.
Modification	Unmodified/Total
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.
Preparation and Storage	Store at -20 degree C/1 year

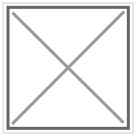
IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry staining of HeLa cells fixed with -20? Methanol and using anti-RPA32/RPA2 antibody (dilution 1:200).



IP (Immunoprecipitation)
Immunoprecipitation analysis of Hela cell lysates using RPA32/RPA2 mouse mAb.



WB (Western Blot)
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.

ADDITIONAL INFORMATION

Product Categories/Family for anti-RPA32/RPA2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506585
NCBI GeneID	6118
NCBI Accession #	NP_002937.1
NCBI GenBank Nucleotide #	NM_002946.3
UniProt Accession #	P15927; Q52II0; Q5TEI9; Q5TEJ5
Molecular Weight	29,247 Da
NCBI Official Full Name	replication protein A 32 kDa subunit
NCBI Official Synonym Full Names	replication protein A2, 32kDa
NCBI Official Symbol	RPA2
NCBI Official Synonym Symbols	REPA2; RPA32
NCBI Protein Information	replication protein A 32 kDa subunit; RP-A p32; RP-A p34; RF-A protein 2; replication factor A protein 2; replication protein A 34 kDa subunit
UniProt Protein Name	Replication protein A 32 kDa subunit
UniProt Gene Name	**RPA2**
UniProt Synonym Gene Names	REPA2; RPA32; RPA34; RP-A p32; RF-A protein 2; RP-A p34
UniProt Entry Name	RFA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/rpa32-rpa2-antibody-immunocytochemistry-immunoprecipitation-western-blot-elisa/320375