

Rabbit anti-Human RPA2 Polyclonal Antibody | anti-RPA2 antibody

RPA2 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283254	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

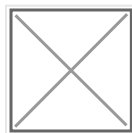
PRODUCT SYNONYMS

RPA2; Polyclonal Antibody; RPA2 Rabbit pAb; REPA2; RP-A p32; RP-A p34; RPA32; RP-Ap32; RP-Ap34; replication protein A2; anti-RPA2 antibody

PRODUCT SPECIFICATIONS

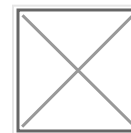
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MWNSGFESYG SSSYGGAGGY TQSPGGFGSP APSQAEKKS RARAQHVPCT ISQLLSATLV DEVFRIGNVE ISQVTIVGII RHA EKAPTNI VYKIDDMTAA PMDVRQWVD TDTSSSENTVV PPETYVKVAG HLR SFQNKKS LVAFKIMPLE DMNEFTTHIL EVINAHMVLS KANSQPSAGR APISNPGMSE AGNFGGNSFM PANGLTVAQN QVLNLKACP RPEGLNFQDL KNQLKHMSVS SIKQAVDFLS NEGHIYSTVD DDHFKSTDAE
Applicable Applications for anti-RPA2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 1-270 of human RPA2(NP_002937.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



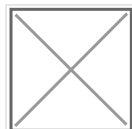
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using RPA2 Rabbit pAb(AAA283254) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using RPA2 Rabbit pAb (AAA283254) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from HeLa cells using RPA2 Rabbit pAb (AAA283254) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-RPA2 antibody	Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.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.
Product Categories/Family for anti-RPA2 antibody	Epigenetics & Nuclear Signaling ; DNA Damage & Repair ; 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	Calculated MW: 29kDa/30kDa/38kDa Observed MW: 35kDa
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/polyclonal/rpa2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283254>