

Rabbit anti-Human, Mouse RPA32 Polyclonal Antibody | anti-RPA32 antibody

Rabbit anti-RPA32 Antibody, Affinity Purified

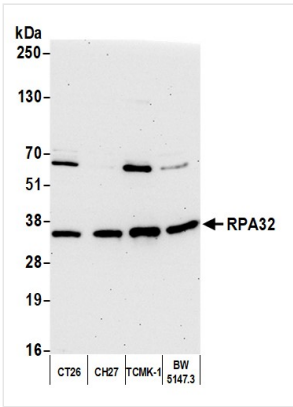
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23770	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

RPA32; Polyclonal Antibody; Rabbit anti-RPA32 Antibody; Affinity Purified; replication factor A protein 2; RP-A p34; RP-A p32; RF-A protein 2; replication protein A 32 kDa subunit; REPA2; replication protein A 34 kDa subunit; Replication protein A 32 kDa subunit; replication protein A2; anti-RPA32 antibody

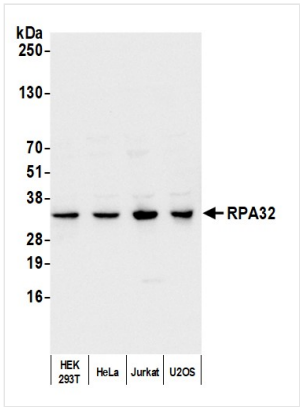
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-RPA32 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:2000-1:10,000 IP: 6ug/mg lysate IHC: 1:2000 to 1:10,000. Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections. FC/FACS: Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 ul per 1 x 10 ⁶ cells.
Immunogen	Between 220 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



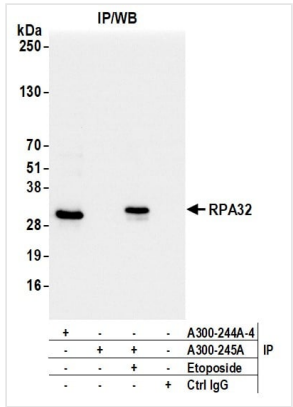
WB (Western Blot)

Detection of mouse RPA32 by western blot. Samples: Whole cell lysate (10 ug) from CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RPA32 antibody (AAA23770 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



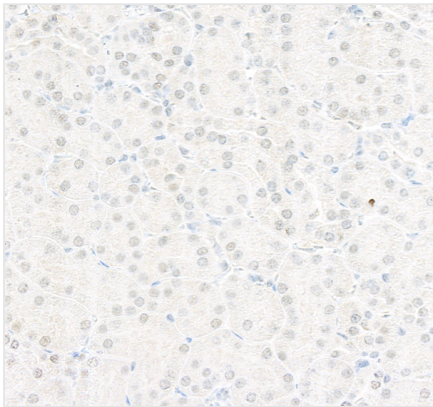
WB (Western Blot)

Detection of human RPA32 by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, HeLa, Jurkat, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RPA32 antibody (AAA23770 lot 4) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



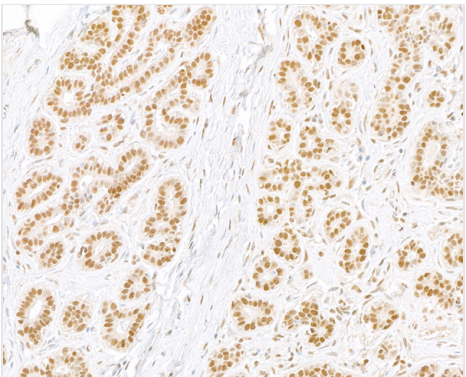
IP (Immunoprecipitation)

Detection of human RPA32 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells treated with 100 uM etoposide for 4 hours (+) or mock treated (-). Antibodies: Affinity purified rabbit anti-RPA32 antibody (AAA23770 lot 4) used for IP at 6 ug per reaction. RPA32 was also immunoprecipitated by rabbit anti-Phospho RPA32 (S4/S8) antibody. For blotting immunoprecipitated RPA32, AAA23770 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



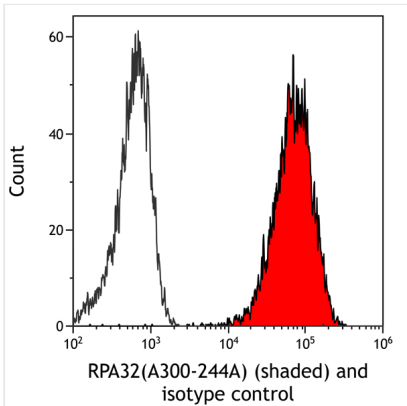
IHC (Immunohistochemistry)

Detection of mouse RPA32 by immunohistochemistry. Sample: FFPE section of mouse kidney. Antibody: Affinity purified rabbit anti-RPA32 (AAA23770 Lot 4) used at a dilution of 1:5,000 (0.2 ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of human RPA32 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-RPA32 (AAA23770 Lot 4) used at a dilution of 1:5,000 (0.2 ug/ml). Detection: DAB



FCM (Flow Cytometry)

Detection of human RPA32 (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-RPA32 polyclonal antibody (AAA23770) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG.

ADDITIONAL INFORMATION

Related Product Information for anti-RPA32 antibody	Replication protein A (RPA) is a multisubunit complex that carries out DNA mismatch repair (MMR) in association with MSH2 (a subunit of human MutS heterodimers), MLH1 (a subunit of human MutL heterodimers), PCNA, and DNA polymerase-delta. RPA is composed of a heterotrimer that includes subunits of 70 kDa (RPA1), 32kDa (RPA2), and 14kDa (RPA3). RPA2, the 32kDa subunit, is phosphorylated by the cdc2 family of kinases when cells enter S-phase and in response to DNA damage by ATM, ATR, and DNA-PK.
Product Categories/Family for anti-RPA32 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://www.aaabiotech.com/polyclonal/rpa32-antibody-western-blot-immunoprecipitation-immunohistochemistry-flow-cytometry-elisa/23770>