

Rabbit RPA2 Polyclonal Antibody | anti-RPA2 antibody

RPA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324673	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

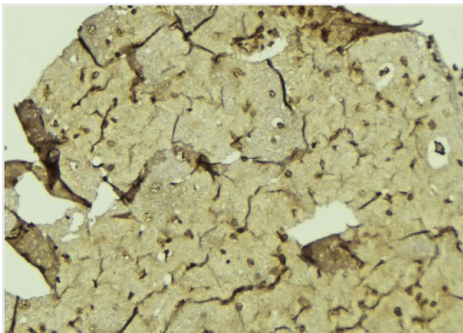
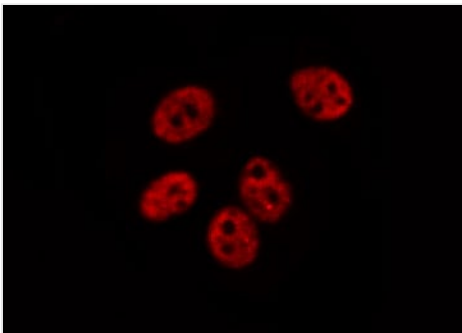
PRODUCT SYNONYMS

RPA2; Polyclonal Antibody; RPA2 Antibody; A127; DNA directed RNA polymerase I 135kDa polypeptide; DNA directed RNA polymerase I; DNA directed RNA polymerase I subunit RPA2; DNA-directed RNA polymerase I 135 kDa polypeptide; DNA-directed RNA polymerase I subunit rpa2; FLJ10816; FLJ21921; MGC131780; OTTHUMP00000161989; OTTHUMP00000203643; OTTHUMP00000203645; POLR 1B; polr1b; Polymerase (RNA) I polypeptide B 128kDa; Polymerase (RNA) I polypeptide B; RNA polymerase I polypeptide B; RNA polymerase I subunit 2; RPA 135; RPA116; RPA135; RPA2_HUMAN; Rpo1 2; anti-RPA2 antibody

PRODUCT SPECIFICATIONS

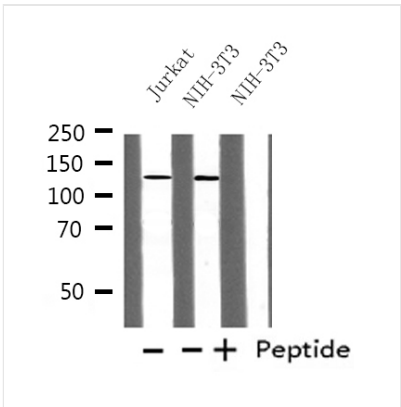
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RPA2 antibody detects endogenous levels of total RPA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1079
Applicable Applications for anti-RPA2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus, Nucleolus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (82%), Zebrafish (82%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (100%), Dog (91%), Chicken (90%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324673 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

IHC (Immunohistochemistry)
AAA324673 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from Jurkat/NIH-3T3 cells, using POLR1B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RPA2 antibody	Function: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Second largest core component of RNA polymerase I which synthesizes ribosomal RNA precursors. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol I is composed of mobile elements and RPA2 is part of the core element with the central large cleft and probably a clamp element that moves to open and close the cleft (By similarity). Subunit Structure: Component of the RNA polymerase I (Pol I) complex consisting of at least 13 subunits. Similarity: Belongs to the RNA polymerase beta chain family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	212286172
NCBI GeneID	84172
NCBI Accession #	NP_001131076.1
NCBI GenBank Nucleotide #	NM_001137604.2
UniProt Accession #	Q9H9Y6; Q2TAM4; Q585T5; Q6ZRR2; Q9H9D3; B7Z6Y7; B7Z823; F5GZX4; F8W898
Molecular Weight	Observed: 128 kD Predicted: 129 kDa
NCBI Official Full Name	DNA-directed RNA polymerase I subunit RPA2 isoform 2

NCBI Official Synonym Full Names	RNA polymerase I subunit B
NCBI Official Symbol	POLR1B
NCBI Official Synonym Symbols	RPA2; RPA135; Rpo1-2
NCBI Protein Information	DNA-directed RNA polymerase I subunit RPA2
UniProt Protein Name	DNA-directed RNA polymerase I subunit RPA2
UniProt Gene Name	POLR1B
UniProt Synonym Gene Names	RNA polymerase I subunit 2; RPA135

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/324673>