Rabbit anti-Human, Mouse RPA70 Polyclonal Antibody | anti-RPA70 antibody

Rabbit anti-RPA70 IHC Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214007	**Rabbit**	**Human, Mouse**	**Immunohistochemistry**

PRODUCT SYNONYMS

RPA70; Polyclonal Antibody; Rabbit anti-RPA70 IHC Antibody; Affinity Purified; RP-A; single-stranded DNA-binding protein; replication protein A1; 70kDa; RP-A p70; RF-A protein 1; RF-A; replication factor A protein 1; REPA1; replication protein A 70 kDa DNA-binding subunit; MSTP075; MST075; HSSB; Replication protein A 70 kDa DNA-binding subunit; anti-RPA70 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	250ug/ml (varies by lot)
Applicable Applications for anti-RPA70 antibody	IHC (Immunohistochemistry)
Predicted Reactivity	Rabbit, Orangutan, Monkey, Gorilla, Chimpanzee, Tasmanian devil, White-tufted-ear marmoset, Crab-eating macaque, Gray short-tailed opossum, Northern white-cheeked gibbon
Immunogen	Between 350 and 400
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

IHC (Immunohiostchemistry)
Detection of mouse RPA70 by immunohistochemistry. Sample: FFPE section of mouse colon carcinoma Antibody: Affinity purified rabbit anti-RPA70 (Cat. No. AAA214007) used at a dilution of 1:250. Detection: DAB

IHC (Immunohistochemistry)
Detection of human RPA70 by immunohistochemistry. Sample: FFPE section of human seminoma. Antibody: Affinity purified rabbit anti-RPA70 (Cat. No. AAA214007) used at a dilution of 1:250. Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-RPA70 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). RPA1, the 70 kDa subunit, is an ssDNA binding protein that has been shown to be phosphorylated by ATM and ATR in response to DNA damage. In addition to a role in MMR, RPA also functions in the initiation of DNA replication and DNA unwinding at origins of replication.

Product Categories/Family for anti-RPA70 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506583
NCBI GeneID	6117
NCBI Accession #	NP_002936.1
NCBI GenBank Nucleotide #	NM_002945.3
UniProt Accession #	P27694; Q59ES9; A8K0Y9
Molecular Weight	616
NCBI Official Full Name	replication protein A 70 kDa DNA-binding subunit
NCBI Official Synonym Full Names	replication protein A1, 70kDa
NCBI Official Symbol	RPA1
NCBI Official Synonym Symbols	HSSB; RF-A; RP-A; REPA1; RPA70; MST075
NCBI Protein Information	replication protein A 70 kDa DNA-binding subunit; MSTP075; RP-A p70; RF-A protein 1; replication factor A protein 1; single-stranded DNA-binding protein
UniProt Protein Name	Replication protein A 70 kDa DNA-binding subunit
UniProt Gene Name	**RPA1**
UniProt Synonym Gene Names	REPA1; RPA70; RP-A p70
UniProt Entry Name	RFA1_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/rpa70-antibody-immunohistochemistry-elisa/214007