

Rabbit anti-Human, Mouse RNA Polymerase II Polyclonal Antibody | anti-POLR2A antibody

Rabbit anti-RNA Polymerase II, Phospho (S2) Antibody, Affinity Purified

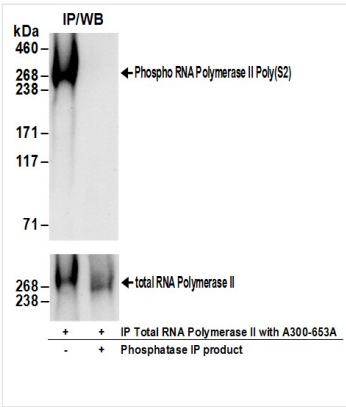
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212674	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

RNA Polymerase II; Polyclonal Antibody; Rabbit anti-RNA Polymerase II; Phospho (S2) Antibody; Affinity Purified; Phospho (S2); RPBh1; RPOL2; RpIILS; RPB1; RNA-directed RNA polymerase II subunit RPB1; RNA polymerase II subunit B1; polymerase (RNA) II subunit A; polymerase (RNA) II (DNA directed) polypeptide A; 220kDa; POLR2; hSRPB1; hRPB220; DNA-directed RNA polymerase III largest subunit; DNA-directed RNA polymerase II subunit RPB1; DNA-directed RNA polymerase II subunit A; DNA-directed RNA polymerase II largest subunit; RNA polymerase II 220 kd subunit; POLRA; RPO2; RNA polymerase II subunit A; anti-POLR2A antibody

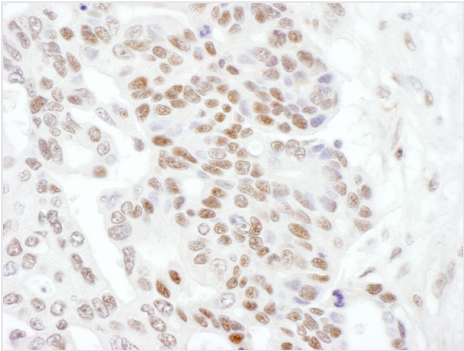
PRODUCT SPECIFICATIONS

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-POLR2A antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Surrounding serine 2
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



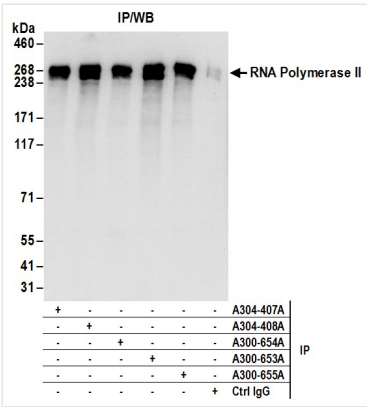
IP (Immunoprecipitation)

Detection of human Phospho RNA Polymerase II (S2) by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) prepared using NETN buffer from 293T cells. Antibodies: RNA Polymerase II was immunoprecipitated using rabbit anti-RNA Polymerase II antibody. Following immunoprecipitation the product of the IP reaction was mock treated (-) or treated with phosphatases (+). Affinity purified rabbit anti-Phospho RNA Polymerase II (S2) antibody AAA212674 was used for WB at 1 ug/ml (upper panel). To examine total RNA Polymerase II, the blot was stripped and then blotted with rabbit anti-RNA Polymerase II antibody (lower panel). Detection: Chemiluminescence with exposure times of 30 seconds (upper panel) and 15 seconds (lower panel).



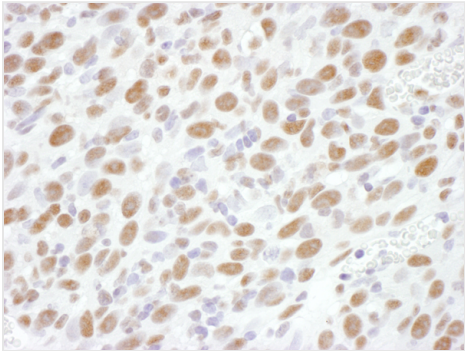
IHC (Immunohistochemistry)

Detection of human Phospho RNA Polymerase II (S2) by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-Phospho RNA Polymerase II (S2) (Cat. No. AAA212674 Lot1) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



IP (Immunoprecipitation)

Detection of human Phospho RNA Polymerase II (S2) by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) prepared using NETN buffer from 293T cells. Antibodies: Affinity purified rabbit anti-Phospho RNA Polymerase II (S2) antibody AAA212674 (lot AAA212674-1) used for IP at 6 ug per reaction. Phospho RNA Polymerase II was also immunoprecipitated by rabbit anti-Phospho RNA Polymerase II antibodies



IHC (Immunohistochemistry)

Detection of mouse Phospho RNA Polymerase II (S2) by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-Phospho RNA Polymerase II (S2) (Cat. No. AAA212674 Lot1) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2A antibody	RNA polymerase II is a DNA-dependent RNA polymerase that catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. RNA polymerase II subunit B1 (RPB1) is the largest and catalytic component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. It forms the polymerase active center together with the second largest subunit [taken from NCBI Entrez Gene (Gene ID: 5430)].
Product Categories/Family for anti-POLR2A antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505939
NCBI GeneID	5430
NCBI Accession #	NP_000928.1
NCBI GenBank Nucleotide #	NM_000937.4

UniProt Accession #	P24928 ; A6NN93 ; B9EH88
Molecular Weight	217,176 Da
NCBI Official Full Name	DNA-directed RNA polymerase II subunit RPB1
NCBI Official Synonym Full Names	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
NCBI Official Symbol	POLR2A
NCBI Official Synonym Symbols	RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; RplILS; hsRPB1; hRPB220
NCBI Protein Information	DNA-directed RNA polymerase II subunit RPB1; RNA polymerase II subunit B1; DNA-directed RNA polymerase II subunit A; RNA-directed RNA polymerase II subunit RPB1; DNA-directed RNA polymerase III largest subunit; DNA-directed RNA polymerase II largest subun
UniProt Protein Name	DNA-directed RNA polymerase II subunit RPB1
UniProt Gene Name	POLR2A
UniProt Synonym Gene Names	POLR2; RNA polymerase II subunit B1
UniProt Entry Name	RPB1_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/rna-polymerase-ii-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212674>