

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

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

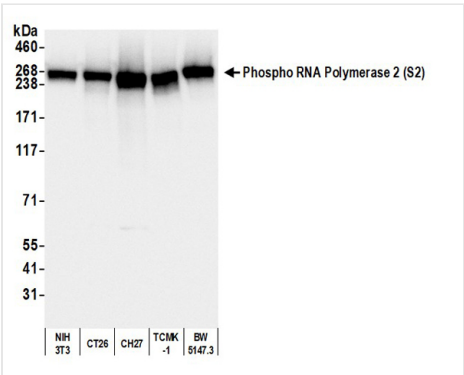
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23772	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry

PRODUCT SYNONYMS

RNA Polymerase II; Polyclonal Antibody; Rabbit anti-Phospho RNA Polymerase II (S2) Antibody; Affinity Purified; Phospho (S2); RPBh1; RPOL2; RplILS; 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

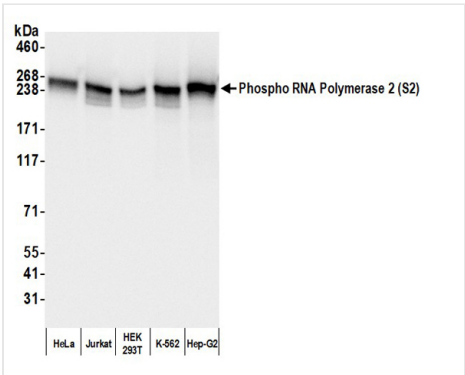
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-POLR2A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Application Notes	WB: 1:2000-1:10,000 (3-8% Tris-acetate gel recommended) IP: 6ug/mg lysate IHC: 1:500 to 1:2,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Predicted Reactivity	D. melanogaster
Immunogen	Surrounding serine 2
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



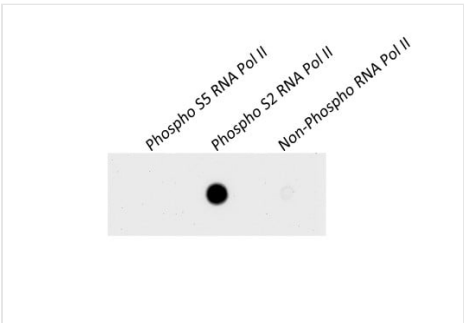
WB (Western Blot)

Detection of mouse Phospho RNA Polymerase 2 (S2) by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (AAA23772 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



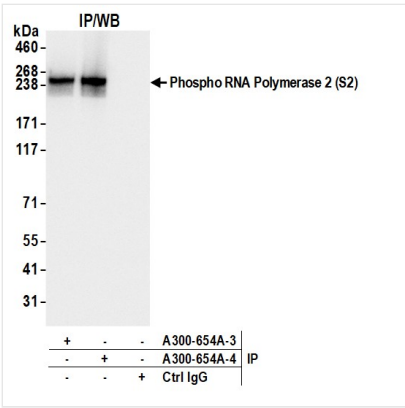
WB (Western Blot)

Detection of human Phospho RNA Polymerase 2 (S2) by western blot. Samples: Whole cell lysate (10 ug) from HeLa, Jurkat, HEK293T, K-562, and Hep-G2 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (AAA23772 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



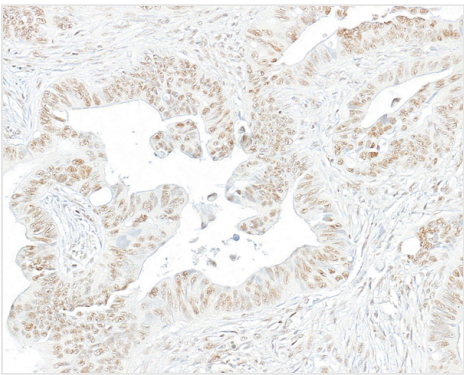
WB (Western Blot)

Detection of Phospho RNA Polymerase 2 (S2) by peptide dot blot analysis. Samples: 5ug RNA Pol II peptides corresponding to phospho S5, phospho S2, and non-phosphorylated RNA Pol II. Antibody: Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (AAA23772 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 min.



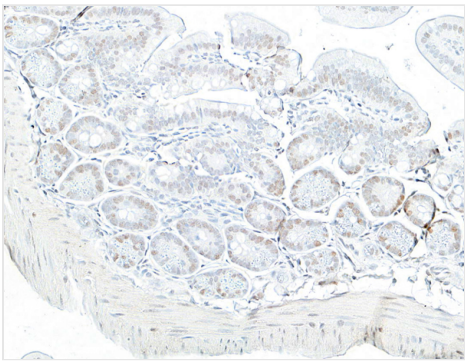
IP (Immunoprecipitation)

Detection of human Phospho RNA Polymerase 2 (S2) by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg per IP; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Phospho RNA Polymerase 2 (S2) antibody (AAA23772 lot 4) used for IP at 6 ug per reaction. Phospho RNA Polymerase 2 (S2) was also immunoprecipitated by a previous lot of this antibody (AAA23772 lot 3). For blotting immunoprecipitated Phospho RNA Polymerase 2 (S2), AAA23772 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



IHC (Immunohistochemistry)

Detection of human Phospho RNA Polymerase II (S2) by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-Phospho-RNA Polymerase II (S2) (AAA23772). Secondary: HRP-conjugated goat anti-rabbit IgG.



IHC (Immunohistochemistry)

Detection of mouse Phospho RNA Polymerase II (S2) by immunohistochemistry. Sample: FFPE section of mouse intestine. Antibody: Affinity purified rabbit anti-Phospho-RNA Polymerase II (S2) (AAA23772). Secondary: HRP-conjugated goat anti-rabbit IgG.

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-western-blot-immunoprecipitation-immunohistochemistry-elisa/23772>