

Rabbit anti-Human POLR2B Polyclonal Antibody | anti-POLR2B antibody

Anti-POLR2B Antibody, Rabbit Polyclonal

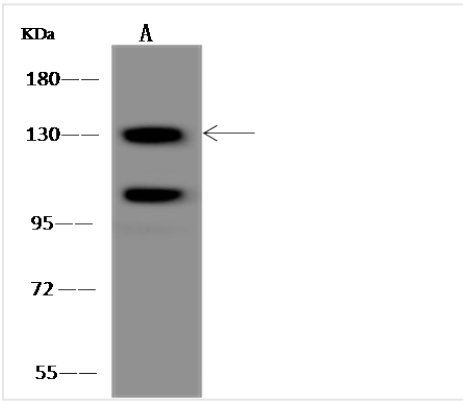
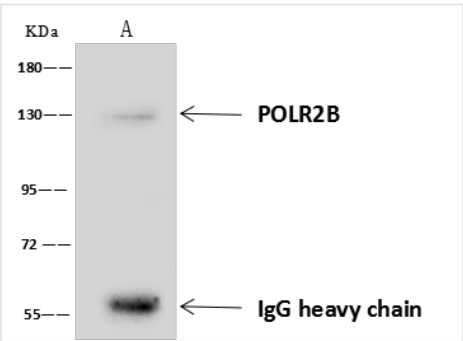
CATALOG # AAA256637	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

POLR2B; Polyclonal Antibody; Anti-POLR2B Antibody; Rabbit Polyclonal; POLR2B Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-hRPB140 Antibody; Anti-POL2RB Antibody; Anti-RPB2 Antibody; anti-POLR2B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human POLR2B
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-POLR2B antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human POLR2B fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human POLR2B fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
POLR2B was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-POLR2B rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-POLR2B rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 130 kDa. Observed band size: 130 kDa.

WB (Western Blot)
Anti-POLR2B rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 134 kDa. Observed band size: 130 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2B antibody	POLR2B (RNA Polymerase II Subunit B, also named RPB2) is a Protein Coding gene. The POLR2B gene, located on 4q12, is conserved in chimpanzee, Rhesus monkey, dog, and cow, etc. This gene encodes the second largest subunit of RNA polymerase II (Pol II), a DNA-dependent RNA polymerase that catalyzes the transcription of DNA into precursors of mRNA, snRNA, and microRNA. This subunit and the largest subunit form opposite sides of the center cleft of Pol II. Deletion of the flap loop region of this subunit results in a decrease in the rate of transcriptional elongation. Diseases associated with POLR2B include Fusariosis and Eumycotic Mycetoma. Among its related pathways are RNA Polymerase II Transcription Initiation And Promoter Clearance and Transcription-Coupled Nucleotide Excision Repair (TC-NER).
References	Palangat M, et al. (2011) The rpb2 flap loop of human rna polymerase ii is dispensable for transcription initiation and elongation. Mol Cell Biol 31 (16): 3312-3325. Luo J, et al. (2007) Duplication and paralog sorting of rpb2 and rpb1 genes in core eudicots. Mol Phylogenet Evol 44 (2): 850-862. Langelier MF, et al. (2005) The highly conserved glutamic acid 791 of rpb2 is involved in the binding of ntp and mg(b) in the active center of human rna polymerase ii. Nucleic Acids Res 33 (8): 2629-2639.

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.