

Rabbit POLR2G Polyclonal Antibody | anti-POLR2G antibody

POLR2G Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285259	Rabbit	Human (Predicted Reactivity: Bovine, Zebrafish, Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

POLR2G; Polyclonal Antibody; POLR2G Antibody (C-term); DNA-directed RNA polymerase II subunit RPB7; RNA polymerase II subunit B7; DNA-directed RNA polymerase II subunit G; RNA polymerase II 19 kDa subunit; RPB19; RPB7; anti-POLR2G antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Zebrafish, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This POLR2G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 126-153 amino acids from the C-terminal region of human POLR2G.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Positions	126-153
Sequence Length	172
Applicable Applications for anti-POLR2G antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

POLR2G Antibody (C-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

POLR2G Antibody (C-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the POLR2G antibody detected the POLR2G protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2G antibody	This gene encodes the seventh largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The protein functions in transcription initiation, and is also thought to help stabilize transcribing polymerase molecules during elongation.
References	Cojocaru, M., et al. Biochem. J. 409(1):139-147(2008) Ujvari, A., et al. Nat. Struct. Mol. Biol. 13(1):49-54(2006) Meka, H., et al. Nucleic Acids Res. 33(19):6435-6444(2005) Lehner, B., et al. Genomics 83(1):153-167(2004) Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 100(22):12666-12671(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505947
NCBI GeneID	5436
NCBI Accession #	NP_002687.1
NCBI GenBank Nucleotide #	NM_002696.2
UniProt Accession #	P62487; P52433; Q2M1Z4; B2R5C0
Molecular Weight	19294
NCBI Official Full Name	DNA-directed RNA polymerase II subunit RPB7
NCBI Official Synonym Full Names	polymerase (RNA) II (DNA directed) polypeptide G
NCBI Official Symbol	POLR2G
NCBI Official Synonym Symbols	RPB7; RPB19; hRPB19; hsRPB7
NCBI Protein Information	DNA-directed RNA polymerase II subunit RPB7
UniProt Protein Name	DNA-directed RNA polymerase II subunit RPB7
UniProt Gene Name	POLR2G
UniProt Synonym Gene Names	RPB7; RNA polymerase II subunit B7; RPB19
UniProt Entry Name	RPB7_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/polr2g-antibody-flow-cytometry-western-blot-elisa/285259>