

Rabbit POLR2C Polyclonal Antibody | anti-POLR2C antibody

POLR2C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326382	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

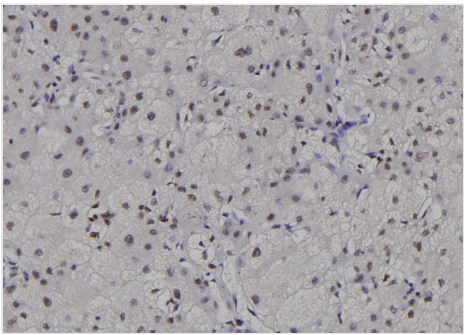
PRODUCT SYNONYMS

POLR2C; Polyclonal Antibody; POLR2C Antibody; DNA directed RNA polymerase II 33 kDa polypeptide; DNA directed RNA polymerase II subunit C; DNA directed RNA polymerase II subunit RPB3; DNA-directed RNA polymerase II 33 kDa polypeptide; DNA-directed RNA polymerase II subunit C; DNA-directed RNA polymerase II subunit RPB3; hRPB33; hsRPB3; POLR 2C; POLR2 C; Polr2c; Polymerase (RNA) II (DNA directed) polypeptide C; 33kDa; polymerase RNA II DNA directed polypeptide C 33kDa; RNA polymerase II polypeptide C; RNA polymerase II subunit 3; RNA polymerase II subunit B3; RPB 3; RPB3; RPB3_HUMAN; RPB31; RPB33; anti-POLR2C antibody

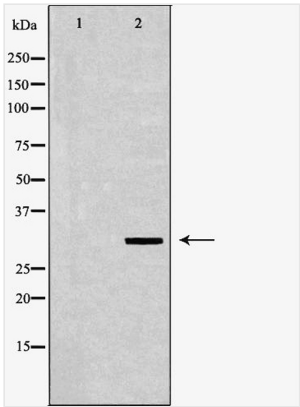
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	POLR2C antibody detects endogenous levels of total POLR2C
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	275
Applicable Applications for anti-POLR2C antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human POLR2C
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326382 at 1/100 staining Human liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HeLa whole cell lysate, using POLR2C Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2C antibody

Description: This gene encodes the third largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a cysteine rich region and exists as a heterodimer with another polymerase subunit, POLR2J. These two subunits form a core subassembly unit of the polymerase. A pseudogene has been identified on chromosome 21.

Function: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB3 is part of the core element with the central large cleft and the clamp element that moves to open and close the cleft (By similarity).

Subunit Structure: Component of the RNA polymerase II (Pol II) complex consisting of 12 subunits. RPB11/POLR2J and RPB3/POLR2C subunits interact with each other.

Similarity: Belongs to the archaeal RpoD/eukaryotic RPB3 RNA polymerase subunit family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14702171
NCBI GeneID	5432
NCBI Accession #	NP_116558.1
NCBI GenBank Nucleotide #	NM_032940.2
UniProt Accession #	P19387; O15161
Molecular Weight	Observed: 31 kDa Predicted: 32 kDa
NCBI Official Full Name	DNA-directed RNA polymerase II subunit RPB3
NCBI Official Synonym Full Names	RNA polymerase II subunit C
NCBI Official Symbol	POLR2C
NCBI Official Synonym Symbols	RPB3; RPB31; hRPB33; hsRPB3
NCBI Protein Information	DNA-directed RNA polymerase II subunit RPB3
UniProt Protein Name	DNA-directed RNA polymerase II subunit RPB3
UniProt Gene Name	POLR2C
UniProt Synonym Gene Names	RNA polymerase II subunit 3; RNA polymerase II subunit B3; RPB33

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/polr2c-antibody-immunohistochemistry-western-blot-elisa/326382>