

**POLR1C Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2839b****Specification**

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**POLR1C Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O15160</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39250
Antigen Region	319-346

**POLR1C Antibody (C-term) - Additional Information****Gene ID** 9533**Other Names**

DNA-directed RNA polymerases I and III subunit RPAC1, DNA-directed RNA polymerase I subunit C, RNA polymerases I and III subunit AC1, AC40, DNA-directed RNA polymerases I and III 40 kDa polypeptide, RPA40, RPA39, RPC40, POLR1C, POLR1E

**Target/Specificity**

This POLR1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 319-346 amino acids from the C-terminal region of human POLR1C.

**Dilution**

WB~~1:2000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

POLR1C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**POLR1C Antibody (C-term) - Protein Information****Name** POLR1C ([HGNC:20194](#))

## Synonyms POLR1E

**Function** DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I and III which synthesize ribosomal RNA precursors and short non-coding RNAs including 5S rRNA, snRNAs, tRNAs and miRNAs, respectively. POLR1C/RPAC1 is part of the polymerase core and may function as a clamp element that moves to open and close the cleft.

## Cellular Location

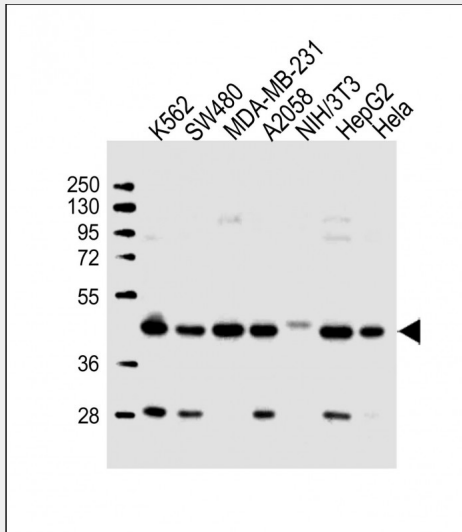
Nucleus. Nucleus, nucleolus. Cytoplasm, cytosol

## POLR1C Antibody (C-term) - Protocols

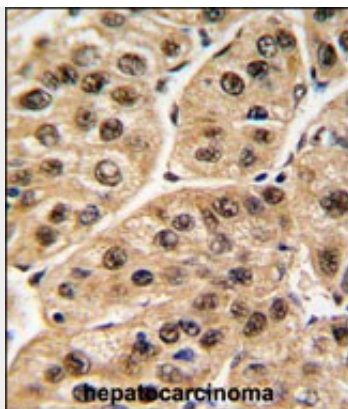
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## POLR1C Antibody (C-term) - Images



All lanes : Anti-POLR1C Antibody (C-term) at 1:2000 dilution Lane 1: K562 whole cell lysate Lane 2: SW480 whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lane 4: A2058 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lane 6: HepG2 whole cell lysate Lane 7: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with POLR1C antibody (C-term) (Cat. #AP2839b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **POLR1C Antibody (C-term) - Background**

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I and III which synthesize ribosomal RNA precursors and small RNAs, such as 5S rRNA and tRNAs, respectively. RPAC1 is part of the Pol core element with the central large cleft and probably a clamp element that moves to open and close the cleft.

#### **POLR1C Antibody (C-term) - References**

Rush,J., Nat. Biotechnol. 23 (1), 94-101 (2005)  
Hirschler-Laszkiewicz,I., J. Biol. Chem. 278 (21), 18953-18959 (2003)  
Dammann,R., Biochim. Biophys. Acta 1396 (2), 153-157 (1998)  
Seither,P., Chromosoma 106 (4), 216-225 (1997)