

POLR1C Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51765**Specification**

POLR1C Antibody - Product Information

Application	WB, E
Primary Accession	O15160
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40, 16 KDa

POLR1C Antibody - 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

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

POLR1C Antibody - 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 - 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 - Images

POLR1C Antibody - 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 (By similarity).

POLR1C Antibody - References

Dammann R., et al. Biochim. Biophys. Acta 1396:153-157(1998).
Mao M., et al. Proc. Natl. Acad. Sci. U.S.A. 95:8175-8180(1998).
Mungall A.J., et al. Nature 425:805-811(2003).
Bienvenut W.V., et al. Submitted (DEC-2008) to UniProtKB.
Hu P., et al. Mol. Cell. Biol. 22:8044-8055(2002).