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POLR1C Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2839b

Specification

POLR1C Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O15160

POLR1C Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP2839b was selected from the C-term region of human POLR1C. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

POLR1C Antibody (C-term) Blocking Peptide - 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 precursor pre-rRNA 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. Cytoplasm, cytosol

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POLR1C Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

POLR1C Antibody (C-term) Blocking Peptide - Images

POLR1C Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)