10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

POLR2I Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP14668a

Specification

POLR2I Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P36954

POLR2I Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5438

Other Names
DNA-directed RNA polymerase II subunit RPB9, RNA polymerase II subunit B9, DNA-directed RNA polymerase II subunit I, RNA polymerase II 145 kDa subunit, RPB145, POLR2I

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.

POLR2I Antibody (N-term) Blocking Peptide - Protein Information

Name POLR2I

Function
Core component of RNA polymerase II (Pol II), a DNA-dependent RNA polymerase which synthesizes mRNA precursors and many functional non-coding RNAs using the four ribonucleoside triphosphates as substrates. 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. POLR2I/RPB9 is part of the upper jaw surrounding the central large cleft and thought to grab the incoming DNA template.

Cellular Location
Nucleus, nucleolus.

POLR2I Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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POLR2I Antibody (N-term) Blocking Peptide - Images

POLR2I Antibody (N-term) Blocking Peptide - Background

This gene encodes a subunit of RNA polymerase II, thepolymerase responsible for synthesizing messenger RNA ineukaryotes. This subunit, in combination with two other polymerasesubunits, forms the DNA binding domain of the polymerase, a groovein which the DNA template is transcribed into RNA. The product ofthis gene has two zinc finger motifs with conserved cysteines andthe subunit does possess zinc binding activity. [provided byRefSeq].

POLR2I Antibody (N-term) Blocking Peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Grimwood, J., et al. Nature 428(6982):529-535(2004)Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 100(22):12666-12671(2003)Kaehlcke, K., et al. Mol. Cell 12(1):167-176(2003)Hogan, T.H., et al. Biomed. Pharmacother. 57(1):41-48(2003)