

POLR2J Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14259b**Specification**

POLR2J Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P52435](#)**POLR2J Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5439**Other Names**DNA-directed RNA polymerase II subunit RPB11-a, RNA polymerase II subunit B11-a, RPB11a,
DNA-directed RNA polymerase II subunit J-1, RNA polymerase II 133 kDa subunit, POLR2J, POLR2J1**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.

POLR2J Antibody (C-term) Blocking Peptide - Protein Information**Name** POLR2J**Synonyms** POLR2J1**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. RPB11 is part of the core element with the central large cleft (By similarity).

Cellular Location

Nucleus.

Tissue Location

Ubiquitously expressed. High expression was found in heart and skeletal muscle.

POLR2J Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

POLR2J Antibody (C-term) Blocking Peptide - Images

POLR2J Antibody (C-term) Blocking Peptide - Background

This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene exists as a heterodimer with another polymerase subunit; together they form a core subassembly unit of the polymerase. Two similar genes are located nearby on chromosome 7q22.1 and a pseudogene is found on chromosome 7p13.

POLR2J Antibody (C-term) Blocking Peptide - References

Michiels, S., et al. Carcinogenesis 30(5):763-768(2009) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005) Shpakovskii, D.G., et al. Bioorg. Khim. 30(6):621-625(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)