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

# POLR2F Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP17041c**

## Specification

### POLR2F Antibody (Center) Blocking Peptide - Product Information

Primary Accession P61218

### POLR2F Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 5435

**Other Names**
DNA-directed RNA polymerases I, II, and III subunit RPABC2, RNA polymerases I, II, and III subunit ABC2, DNA-directed RNA polymerase II subunit F, DNA-directed RNA polymerases I, II, and III 144 kDa polypeptide, RPABC144, RPB144, RPB6 homolog, RPC15, POLR2F, POLRF

**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.

### POLR2F Antibody (Center) Blocking Peptide - Protein Information

**Name** POLR2F (HGNC:9193)

**Synonyms** POLRF

**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, II, and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non- coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2F/RPABC2 is part of the clamp element and together with parts of POLR2A/RPB1 and POLR2B/RPB2 forms a pocket to which the POLR2D/RPB4-POLR2G/RPB7 subcomplex binds.

**Cellular Location**
Nucleus. Nucleus, nucleolus

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

## POLR2F Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

## POLR2F Antibody (Center) Blocking Peptide - Images

## POLR2F Antibody (Center) Blocking Peptide - Background

This gene encodes the sixth largest subunit of RNApolymerase II, the polymerase responsible for synthesizingmessenger RNA in eukaryotes, that is also shared by the other twoDNA-directed RNA polymerases. In yeast, this polymerase subunit, incombination with at least two other subunits, forms a structurethat stabilizes the transcribing polymerase on the DNA template.

## POLR2F Antibody (Center) Blocking Peptide - References

Michiels, S., et al. Carcinogenesis 30(5):763-768(2009)Antonacopoulou, A.G., et al. Anticancer Res. 28 (2B), 1221-1227 (2008) :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)Jones, E., et al. Exp. Cell Res. 254(1):163-172(2000)