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

POLR2C Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20520b

Product Information

Application	WB, IF, IHC-P, E
Primary Accession	P19387
Other Accession	P97760, Q3T0Q3
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31441
Antigen Region	200-228

Additional Information

Gene ID	5432
Other Names	DNA-directed RNA polymerase II subunit RPB3, RNA polymerase II subunit 3, RNA polymerase II subunit B3, DNA-directed RNA polymerase II 33 kDa polypeptide, RPB33, DNA-directed RNA polymerase II subunit C, RPB31, POLR2C
Target/Specificity	This POLR2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-228 amino acids from the C-terminal region of human POLR2C.
Dilution	WB~~1:1000 IF~~1:25 IHC-P~~1:100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	POLR2C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	POLR2C (HGNC:9189)

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.
Cellular Location	Nucleus.

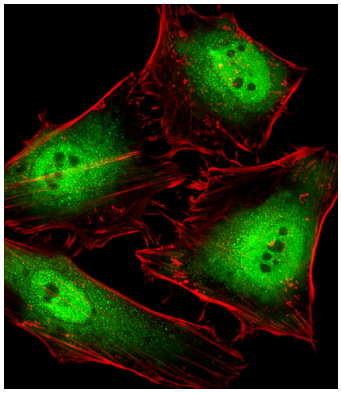
Background

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. RPB3 is part of the core element with the central large cleft and the clamp element that moves to open and close the cleft (By similarity).

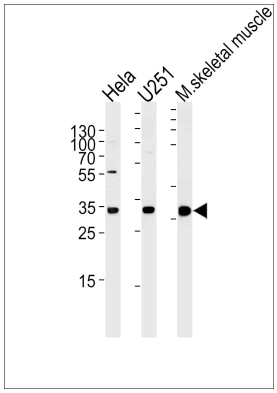
References

Pati U.K., et al. J. Biol. Chem. 265:8400-8403(1990).
Dammann R., et al. Biochim. Biophys. Acta 1396:153-157(1998).
Bruno T., et al. Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
Loftus B.J., et al. Genomics 60:295-308(1999).
Bienvenut W.V., et al. Submitted (MAR-2009) to UniProtKB.

Images

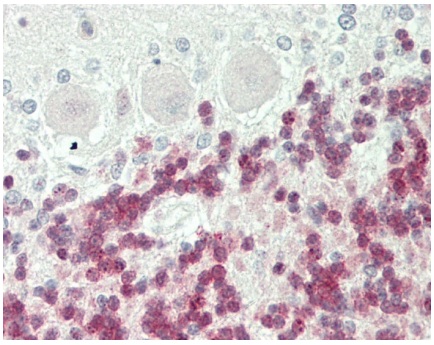


Fluorescent image of Hela cells stained with POLR2C Antibody (C-term)(Cat#AP20520B). AP20520B was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



POLR2C Antibody (C-term) (Cat. #AP20520b) western blot analysis in Hela,U251 cell line and mouse skeletal muscle tissue lysates (35ug/lane).This demonstrates the POLR2C antibody detected the POLR2C protein (arrow).

Formalin-fixed and paraffin-embedded H.brain, H.cerebellum tissue reacted with POLR2C Antibody (C-term) (Cat#AP20520b).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.