

POLR2I Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51763

Specification

POLR2I Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW Antigen Region WB <u>P36954</u> Human, Mouse, Rat Rabbit Polyclonal 14 KDa 31 - 90

POLR2I Antibody - 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

Target/Specificity KLH conjugated synthetic peptide derived from human POLR2I

Dilution WB~~ 1:4000

Format 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage Store at -20 °C.Stable for 12 months from date of receipt

POLR2I Antibody - 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 - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

POLR2I Antibody - Images



All lanes : Anti-POLR2I Antibody at 1:4000 dilution Lane 1: A549 whole cell lysates Lane 2: A431 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

POLR2I Antibody - 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. RPB9 is part of the upper jaw surrounding the central large cleft and thought to grab the incoming DNA template (By similarity).

POLR2I Antibody - References

Acker J., et al.Nucleic Acids Res. 21:5345-5350(1993). Ota T., et al.Nat. Genet. 36:40-45(2004). Grimwood J., et al.Nature 428:529-535(2004). Kershnar E., et al.J. Biol. Chem. 273:34444-34453(1998). Burkard T.R., et al.BMC Syst. Biol. 5:17-17(2011).