

Anti-POLR2I Antibody

Catalog # AP51763

Product Information

Application	WB
Primary Accession	P36954
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine, Dog, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14523

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 14.5 kDa subunit; RPB14.5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human POLR2I. The exact sequence is proprietary.
Dilution	WB~~ 1:4000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

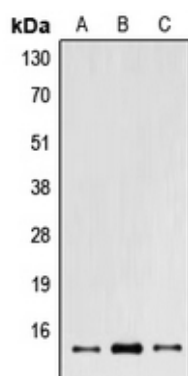
Protein Information

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.

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).
Kershner E.,et al.J. Biol. Chem. 273:34444-34453(1998).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



Western blot analysis of POLR2I expression in A549 (A), NIH3T3 (B), PC12 (C) whole cell lysates. (Predicted band size: 14 kD; Observed band size: 14 kD)

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