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POLR2F Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22216a

Product Information

Application	WB, E
Primary Accession	P61218
Other Accession	Q32PE0, P61217, P61219, Q5R592, O88828
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56843
Calculated MW	14478

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 14.4 kDa polypeptide, RPABC14.4, RPB14.4, RPB6 homolog, RPC15, POLR2F, POLRF
Target/Specificity	This POLR2F antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 27-61 amino acids from human POLR2F.
Dilution	WB~~1:2000 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	POLR2F Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

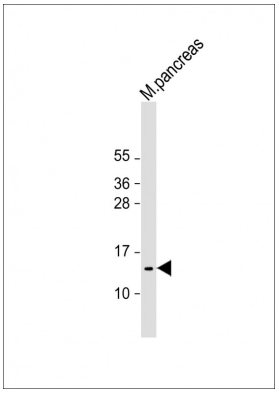
Background

DNA-dependent RNA polymerases catalyze 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/RPB6 is part of the clamp element and together with parts of RPB1 and RPB2 forms a pocket to which the RPB4-RPB7 subcomplex binds (By similarity).

References

Acker J.,et al.DNA Seq. 4:329-331(1994).
Pusch C.,et al.Genomics 34:440-442(1996).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Dunham I.,et al.Nature 402:489-495(1999).

Images



Anti-POLR2F Antibody (N-Term) at 1:2000 dilution + mouse pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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