ARG59947
anti-POLR2F antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes POLR2F
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	POLR2F
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-127 of Human POLR2F (NP_068809.1).
Conjugation	Un-conjugated
Alternate Names	POLRF; RPB6; RPB6 homolog; HRBP14.4; DNA-directed RNA polymerases I, II, and III subunit RPABC2; RPABC2; RPB14.4; DNA-directed RNA polymerase II subunit F; RPC15; RPABC14.4; RNA polymerases I, II, and III subunit ABC2; DNA-directed RNA polymerases I, II, and III 14.4 kDa polypeptide

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat heart
Observed Size	14 kDa

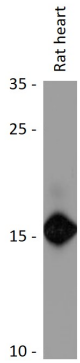
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	POLR2F
Gene Full Name	polymerase (RNA) II (DNA directed) polypeptide F
Background	This gene encodes the sixth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit, in combination with at least two other subunits, forms a structure that stabilizes the transcribing polymerase on the DNA template. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Function	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). [UniProt]
Calculated Mw	14 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG59947 anti-POLR2F antibody WB image

Western blot: 25 µg of Rat heart lysate stained with ARG59947 anti-POLR2F antibody at 1:3000 dilution.