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Datasheet for ABIN7269459  
**anti-POLR3C antibody (AA 1-270)**

1 Image

Overview

Quantity:	100 µL
Target:	POLR3C
Binding Specificity:	AA 1-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR3C antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	POLR3C Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human POLR3C (NP_006459.3).
Sequence:	MTQAEIKLCS LLLQEHFGEI VEKIGVHLIR TGSQPLRVIA HDTGTSLDQV KKALCVLVQH NLVSYQVHKR GVVEYEAQCS RVLRLRYPR YIYTTKTLYS DTGELIVEEL LLNGKLTMSA VVKKVADRLT ETMEDGKTMD YAEVSNTFVR LADTHFVQRC PSVPTTENS DPGPPPPAPTL VINEKDMYLV PKLSLIGK GKRRSSDEDAA GEPKAKRPKY TTDNKEIPD DGIYWQANLD RFHQHFRDQA IVSAVANRMD QTSSEIVRTM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

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Purification: Affinity purification

## Target Details

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Target: POLR3C

Alternative Name: POLR3C ([POLR3C Products](#))

Background: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific core component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. May direct with other members of the subcomplex RNA Pol III binding to the TFIIB-DNA complex via the interactions between TFIIB and POLR3F. May be involved either in the recruitment and stabilization of the subcomplex within RNA polymerase III, or in stimulating catalytic functions of other subunits during initiation. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs induce type I interferon and NF- Kappa-B through the RIG-I pathway. Preferentially binds single-stranded DNA (ssDNA in a sequence-independent manner.,POLR3C,RPC3,RPC62,Epigenetics & Nuclear Signaling,POLR3C

Molecular Weight: 60kDa

Gene ID: 10623

UniProt: [Q9BUI4](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

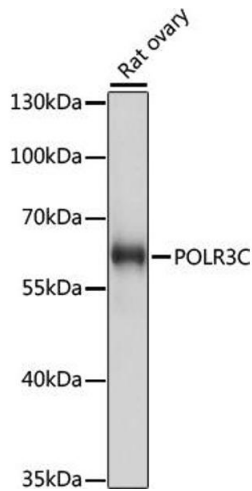
## Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of rat ovary, using POLR3C antibody (ABIN7269459) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.