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Datasheet for ABIN7150448  
**anti-POLR3A antibody (AA 392-632) (FITC)**

### Overview

Quantity:	100 µg
Target:	POLR3A
Binding Specificity:	AA 392-632
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR3A antibody is conjugated to FITC
Application:	Please inquire

### Product Details

Immunogen:	Recombinant Human DNA-directed RNA polymerase III subunit RPC1 protein (392-632AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	POLR3A
Alternative Name:	POLR3A ( <a href="#">POLR3A Products</a> )
Background:	Background: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Largest and catalytic core

## Target Details

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component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Forms the polymerase active center together with the second largest subunit. A single-stranded DNA template strand of the promoter is positioned within the central active site cleft of Pol III. A bridging helix emanates from RPC1 and crosses the cleft near the catalytic site and is thought to promote translocation of Pol III by acting as a ratchet that moves the RNA-DNA hybrid through the active site by switching from straight to bent conformations at each step of nucleotide addition (By similarity). 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.

Aliases: BC053071 antibody, DNA directed RNA polymerase III largest subunit antibody, DNA directed RNA polymerase III subunit A antibody, DNA-directed RNA polymerase III largest subunit antibody, DNA-directed RNA polymerase III subunit A antibody, DNA-directed RNA polymerase III subunit RPC1 antibody, hRPC155 antibody, MGC62420 antibody, POLR 3A antibody, POLR3A antibody, Polymerase (RNA) III (DNA directed) polypeptide A 155 kDa antibody, Polymerase (RNA) III (DNA directed) polypeptide A antibody, RGD1305574 antibody, RNA polymerase III 155 kDa subunit antibody, RNA polymerase III subunit C1 antibody, RNA polymerase III subunit C160 antibody, RNA polymerase III subunit RPC155 D antibody, RPC1 antibody, RPC1\_HUMAN antibody, RPC155 antibody

UniProt: [O14802](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

## Handling

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.