

Datasheet for ABIN2754025
anti-POLR3A antibody (AA 392-632) (FITC)



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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:	ELISA

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 (POLR3A Products)
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

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

Restrictions: For Research Use only

Handling

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

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