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Datasheet for ABIN7150455

anti-POLR3B antibody (AA 831-939) (Biotin)

Overview

Quantity:	100 µg
Target:	POLR3B
Binding Specificity:	AA 831-939
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR3B antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human DNA-directed RNA polymerase III subunit RPC2 protein (831-939AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	POLR3B
Alternative Name:	POLR3B (POLR3B Products)
Background:	Background: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Second largest core component of

Target Details

RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol III is composed of mobile elements and RPC2 is part of the core element with the central large cleft and probably a clamp element that moves to open and close the cleft (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: C128 antibody, DNA directed RNA polymerase III 127.6 kDa polypeptide antibody, DNA directed RNA polymerase III subunit B antibody, DNA-directed RNA polymerase III 127.6 kDa polypeptide antibody, DNA-directed RNA polymerase III subunit B antibody, DNA-directed RNA polymerase III subunit RPC2 antibody, FLJ10388 antibody, polr3b antibody, Polymerase (RNA) III (DNA directed) polypeptide B antibody, RNA polymerase III subunit C2 antibody, RNA polymerase III subunit RPC2 antibody, RPC2 antibody, RPC2_HUMAN antibody

UniProt: [Q9NW08](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

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

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