

POLR3E Polyclonal Antibody

Catalog NumberPA5-31883

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Dilution *	
Type	Antibody	Western Blot (WB)	
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 89 and 283 of Human POLR3E	1:500-1:3,000	
Conjugate	Unconjugated	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa, HeLa nucleus. Predicted reactivity: Mouse (96%), Rat (96%), Zebrafish (82%), Xenopus laevis (80%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

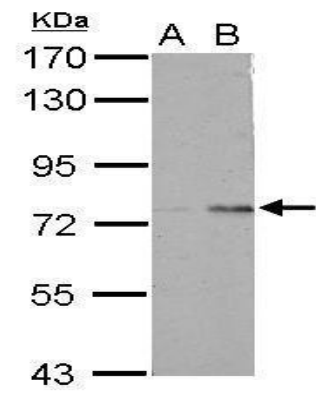
DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Essential for efficient transcription from both the type 2 VAI and type 3 U6 RNA polymerase III promoters. 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.

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POLR3E Antibody (PA5-31883) in WB
Western Blot using POLR3E Polyclonal Antibody (Product # PA5-31883). Sample (30 µg of whole cell lysate). Lane A: HeLa. Lane B: HeLa nucleus . 7.5% SDS PAGE. POLR3E Polyclonal Antibody (Product # PA5-31883) diluted at 1: 1,000.

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