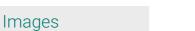
# antibodies -online.com





## anti-POLR3A antibody (N-Term)







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	IV/E	۱//۱۲	$I \cap V$

Quantity:	100 μL	
Target:	POLR3A	
Binding Specificity:	N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This POLR3A antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)	

#### **Product Details**

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human POLR3A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Chicken, Xenopus laevis, Cow (Bovine), Xenopus tropicalis
Cross-Reactivity (Details):	Mouse (97 %), Chicken (97 %), Xenopus laevis (94 %), Bovine (98 %), Xenopus tropicalis (94 %)
Characteristics:	Rabbit Polyclonal antibody to POLR3A (polymerase (RNA) III (DNA directed) polypeptide A, 155 kDa) POLR3A antibody
Purification:	Purified by antigen-affinity chromatography.

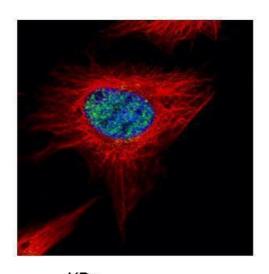
### **Target Details**

Target:	POLR3A	
Alternative Name:	POLR3A (POLR3A Products)	
Background:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four	
	ribonucleoside triphosphates as substrates. Largest and catalytic core 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 though	
	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.	
	Cellular Localization: Nucleus	
Molecular Weight:	156 kDa	
Gene ID:	11128	
Application Details		
Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* Immunoprecipitation 1:100-1:500* Wester	
	blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should	
	be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000*	
	Immunoprecipitation1:100-1:500* Western blot1:500-1:3000*	
Comment:	Positive Control: HCT116 , SK-N-SH , IMR32 , SK-N-AS	
Restrictions:	For Research Use only	
Handling		
	Liquid	
Format:	Liquid	
Format:	Liquid  1.49 mg/mL	

#### Handling

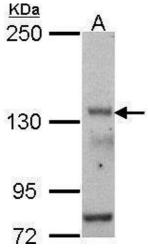
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

#### **Images**



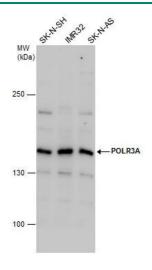
#### **Immunofluorescence**

**Image 1.** ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using POLR3A, antibody (Green) at 1:500 dilution. Alphatubulin filaments were labeled with (Red) at 1:2000.



#### **Western Blotting**

Image 2. WB Image Sample (30 ug of whole cell lysate) A: HCT116 5% SDS PAGE antibody diluted at 1:500



#### **Western Blotting**

**Image 3.** WB Image POLR3A antibody detects POLR3A protein by western blot analysis. Various whole cell extracts (30  $\mu$ g) were separated by 5% SDS-PAGE, and the membrane was blotted with POLR3A antibody, diluted at a dilution of 1:500.

Please check the product details page for more images. Overall 4 images are available for ABIN2856286.