

For Research Use Only

POLR1A Polyclonal antibody

Catalog Number: 20595-1-AP **2 Publications**



Basic Information

Catalog Number: 20595-1-AP	GenBank Accession Number: BC017115	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 25885	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: polymerase (RNA) I polypeptide A, 194kDa	
Isotype: IgG	Calculated MW: 1720 aa, 195 kDa	
Immunogen Catalog Number: AG14543	Observed MW: 190-195 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells IP : HeLa cells,
Cited Applications: IP	
Species Specificity: human	
Cited Species: human	

Background Information

POLR1A, DNA-directed RNA polymerase I subunit RPA1, is a DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA. RNA polymerase I (Pol I) located in the nucleolus and transcribes class I genes, which code for large ribosomal RNA. Different subunits of the Pol I transcription are targets of various physiological stimuli, which suggests that multiple signaling pathways are involved in carrying out Pol I transcription. Together with the second largest subunit, it is the catalytic core component of RNA polymerase I that synthesizes ribosomal RNA precursors.

Notable Publications

Author	Pubmed ID	Journal	Application
Sijie Liu	33626331	Cell	
Chaoshen Wu	34904330	Cancer Sci	IP

Storage

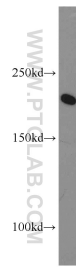
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

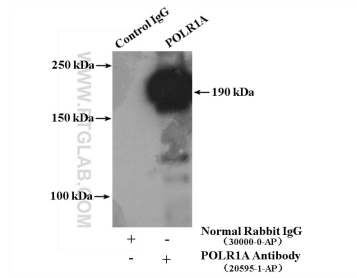
For technical support and original validation data for this product please contact:
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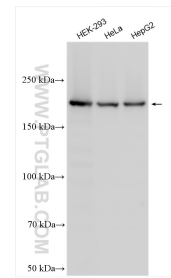
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 20595-1-AP (POLR1A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-POLR1A (IP:20595-1-AP, 4ug; Detection:20595-1-AP 1:300) with HeLa cells lysate 2400ug.



Various lysates were subjected to SDS PAGE followed by western blot with 20595-1-AP (POLR1A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.