

POLR2D Polyclonal Antibody

Catalog NumberPA5-35954

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 142 of POLR2D	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Western Blot (WB)	See 1 publications below
Concentration	1.01 mg/mL	<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>	
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: 293T, A431, HeLa, HepG2. Predicted reactivity: Mouse (100%), Rat (100%), Zebrafish (96%), Xenopus laevis (93%), Chicken (97%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (99%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

This gene encodes the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3' untranslated region of the transcript from this gene.

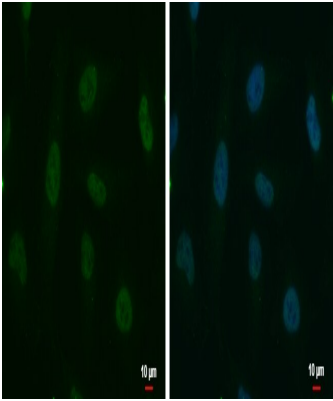
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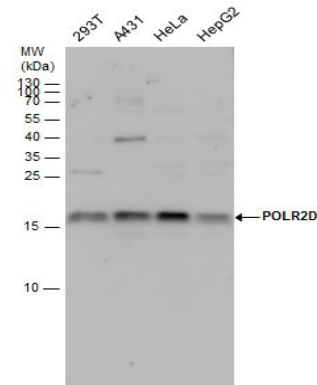
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Product Images For POLR2D Polyclonal Antibody



**POLR2D Antibody (PA5-35954) in ICC/IF**

POLR2D Polyclonal Antibody detects POLR2D protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde/PBS for 15 min. Green: POLR2D protein stained by POLR2D Polyclonal Antibody (Product # PA5-35954) diluted at 1:500. Blue: Hoechst 33342 staining.



**POLR2D Antibody (PA5-35954) in WB**

POLR2D Polyclonal Antibody detects POLR2D protein by western blot analysis. Various whole cell extracts (30 μg) were separated by 15% SDS-PAGE, and the membrane was blotted with POLR2D Polyclonal Antibody (Product # PA5-35954) diluted by 1:1,000.

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PubMed References For POLR2D Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
Human / 1:1000	<p>PA5-35954 was used in Western Blot to demonstrate that accelerated mRNA decay leads to the repression of mRNA transcription, thereby amplifying the shutdown of gene expression.</p> <p>eLife ( 2021; 10: ) <b>"Cytoplasmic mRNA decay represses RNA polymerase II transcription during early apoptosis."</b> Author(s):Duncan-Lewis C,Hartenian E,King V,Glaunsinger BA PubMed Article URL:<a href="http://dx.doi.org/10.7554/eLife.58342">http://dx.doi.org/10.7554/eLife.58342</a></p>

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