

POLR1D Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full length human POLR1D (AAH00889) Recombinant protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, 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.
RRID	AB_2548049

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:200	-
ChIP assay (ChIP)	Assay-Dependent	-

Product Specific Information

Recommended positive controls: A549, HeLa, HepG2, HCT116.

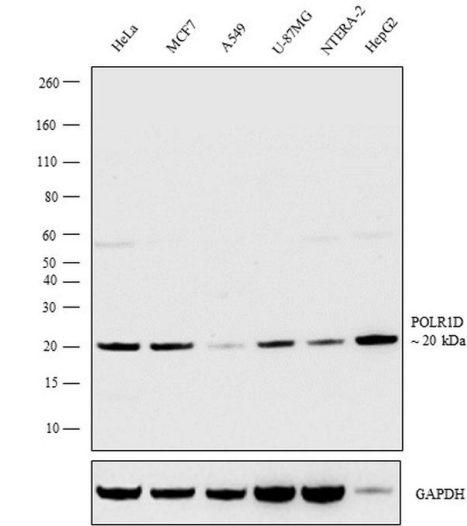
Predicted reactivity: Mouse (90%), Rhesus Monkey (99%), Bovine (94%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For POLR1D Polyclonal Antibody

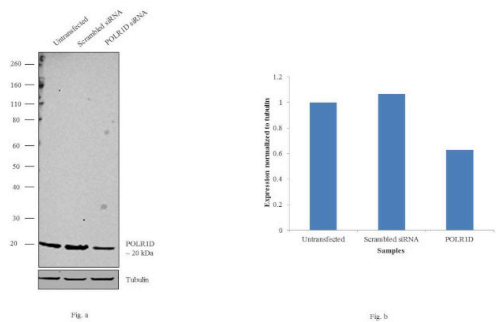
POLR1D Antibody (PA5-30575) in WB

Western blot analysis was performed on modified whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), MCF7 (Lane 2), A549 (Lane 3), U-87MG (Lane 4), NTERA-2 (Lane 5) and HepG2 (Lane 6). The blot was probed with Anti-POLR1D Polyclonal Antibody (Product # PA5-30575, 1:3000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg /mL, 1:4000 dilution). A 20 kDa band corresponding to POLR1D was observed in all cell lines tested.



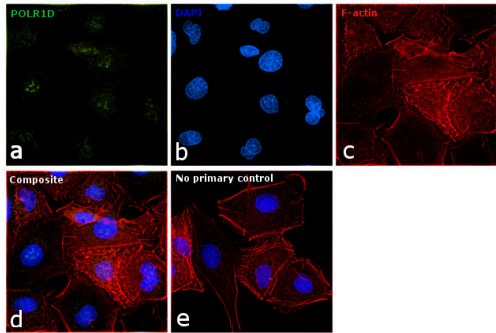
POLR1D Antibody (PA5-30575)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with POLR1D siRNA and reduction of signal was observed in Western Blot using POLR1D Polyclonal Antibody (Product # PA5-30575). {KD}



POLR1D Antibody (PA5-30575) in ICC/IF

Immunofluorescence analysis of POLR1D was performed using 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with POLR1D Polyclonal Antibody (Product # PA5-30575) at 1:200 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing Nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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Western Blot (1)

<p>BMC cancer</p> <p>Interaction between the BAG1S isoform and HSP70 mediates the stability of anti-apoptotic proteins and the survival of osteosarcoma cells expressing oncogenic MYC.</p> <p>"PA5-30575 was used in Western Blotting to identify a set of specific pro-survival clients controlled by the HSP70 /BAG1S chaperone complex."</p> <p>Authors: Gennaro VJ,Wedegaertner H,McMahon SB</p>	<p>Year 2019</p> <p>Species Human</p>
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