

# Arp3 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant Human ACTR3/Actin-related protein 3 Protein (Ala2-Ser418)
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A, Antigen affinity chromatography
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2787638

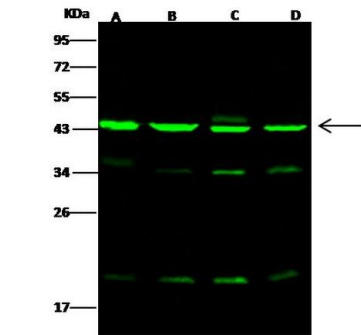
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:300-1:10,000	1 Publication
ELISA (ELISA)	1:5,000-1:10,000	-
Immunoprecipitation (IP)	1-4 µL/mg of lysate	-

## Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05%-0.1%).

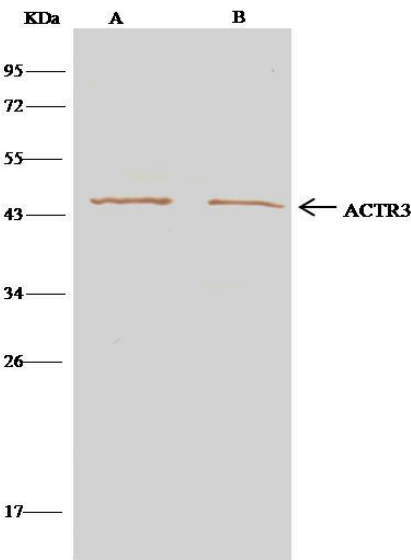
This antibody has specificity for Human ACTR3/Actin-related protein 3.

Product Images For Arp3 Polyclonal Antibody



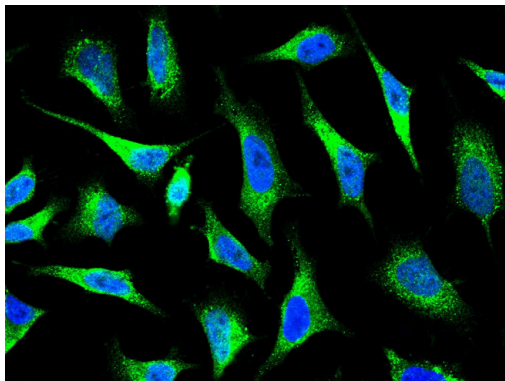
**Arp3 Antibody (PA5-80307) in WB**

Western Blot using Arp3 Polyclonal Antibody (Product # PA5-80307) at 1:500 dilution. Lane A: HeLa Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: A549 Whole Cell Lysate, Lane D: K562 Whole Cell Lysate. Lysates /proteins at 30 g per lane. Secondary Goat Anti- RabbitIgG H&L (DyLight™ 800) at 1:10,000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 47 kDa. Observed band size: 45 kDa. (We are unsure of the identity of these extra bands).



**Arp3 Antibody (PA5-80307) in IP**

Arp3 Immunoprecipitation using: Lane A: 0.5 mg K562 Whole Cell Lysate, Lane B: 0.5 mg Hela Whole Cell Lysate 4 µL with Arp3 Polyclonal Antibody (Product # PA5-80307) and 15 µL of 50 % Protein G agarose. Primary antibody: Arp3 Polyclonal Antibody, at 1:100 dilution. Secondary antibody: Clean-Bloto IP Detection Reagent (HRP) at 1:500 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 47 kDa. Observed band size: 47 kDa.



**Arp3 Antibody (PA5-80307) in ICC/IF**

Immunofluorescence staining of Arp3 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with Arp3 Polyclonal Antibody (Product # PA5-80307, 1:1,000) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

Immunocytochemistry (1)

EMBO reports

Lamin A-mediated nuclear lamina integrity is required for proper ciliogenesis.

"PA5-80307 was used in Immunocytochemistry to uncover a functional link between nuclear lamina integrity and ciliogenesis and implicate the malfunction of primary cilia in the pathogenesis of laminopathy."

Authors: Fan JR,You LR,Wang WJ,Huang WS,Chu CT,Chi YH,Chen HC

Year  
2020

Species  
Mouse

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