

ARF1 Polyclonal Antibody

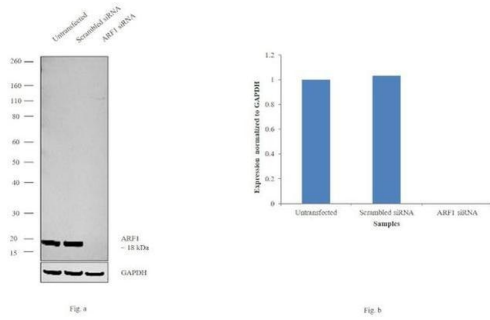
Product Details	
Size	100 µg
Species Reactivity	Dog, Human, Mouse
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide DWLSNQLRNQK
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2539892

Applications	Tested Dilution	Publications
Western Blot (WB)	1:3000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunocytochemistry (ICC/IF)	5 µg/ml	1 Publication
Immunoprecipitation (IP)	2 µg	-

Product Specific Information

PA1-127 has been successfully used in Western blot in human, mouse, and canine samples, and in immunofluorescence and immunoprecipitation applications in human samples.

Product Images For ARF1 Polyclonal Antibody

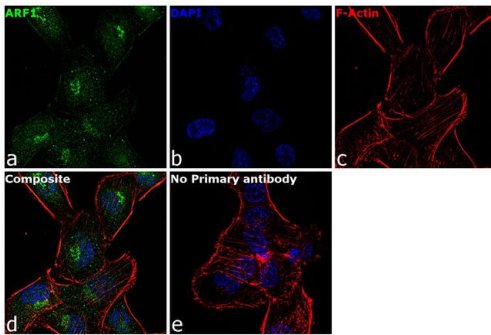


ARF1 Antibody (PA1-127)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with ARF1 siRNA and reduction of signal was observed in Western Blot using ARF1 Polyclonal Antibody (Product # PA1-127). {KD}

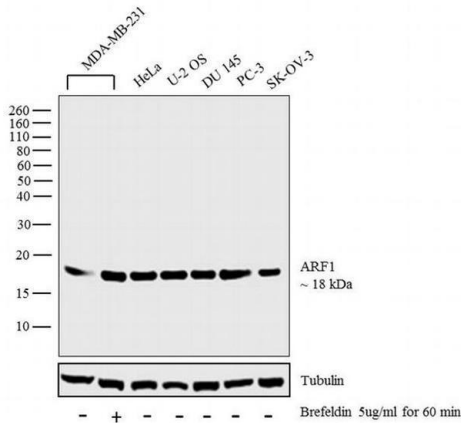
ARF1 Antibody (PA1-127) in ICC/IF

Immunofluorescence analysis of ARF1 was performed using 70% confluent log phase MDA-MB-231 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 ARF1 Rabbit Polyclonal Antibody (Product # PA1-127) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) 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, 1:300). Panel d represents the merged image showing predominantly Golgi complex localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



ARF1 Antibody (PA1-127)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using ARF1 Polyclonal Antibody (Product # PA1-127), shows increased expression of proteins in MDA-MB-231 cell line treated with Brefeldin. {TM}



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Western Blot (2)

Nature communications

Targeting N-myristoylation for therapy of B-cell lymphomas.

"Published figure using ARF1 polyclonal antibody (Product # PA1-127) in Western Blot"

Authors: Beauchamp E, Yap MC, Iyer A, Perinpanayagam MA, Gamma JM, Vincent KM, Lakshmanan M, Raju A, Tergaonkar V, Tan SY, Lim ST, Dong WF, Postovit LM, Read KD, Gray DW, Wyatt PG, Mackey JR, Berthiaume LG

Species
Not Applicable

Dilution
Not Cited

Year
2020

Cell death & disease

BIG1 controls macrophage pro-inflammatory responses through ARF3-mediated PI(4,5)P2 synthesis.

"PA1-127 was used in Western Blotting to reveal a crucial new role of BIG1 in regulating macrophage inflammation responses, and provide evidence for BIG1 as a potential promising therapeutic target in sepsis."

Authors: Liu L, Zhang S, Wang Y, Bao W, Zhou Y, Dang W, Wang X, Li H, Cao X, You Y, Fang H, Shen X

Species
Mouse

Dilution
1:2000

Year
2020

Immunocytochemistry (1)

Science advances

p53 loss activates prometastatic secretory vesicle biogenesis in the Golgi.

"PA1-127 was used in Immunocytochemistry to show that p53 loss activates prometastatic secretory vesicle biogenesis in the Golgi."

Authors: Tan X, Banerjee P, Shi L, Xiao GY, Rodriguez BL, Grzeskowiak CL, Liu X, Yu J, Gibbons DL, Russell WK, Creighton CJ, Kurie JM

Species
Mouse

Dilution
Not Cited

Year
2021

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