

Cyclophilin A Polyclonal Antibody

Product Details	
Size	400 µL
Species Reactivity	Hamster, Human, Mouse
Published Species	Rat, Non-human primate, Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Purified recombinant human CyPA.
Form	Liquid
Purification	Ammonium sulfate precipitation
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2169124

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:250	-
Immunofluorescence (IF)	1:250	1 Publication
Western Blot (WB)	1:100-1:3000	12 Publications
Immunomicroscopy (IM)	-	1 Publication

Product Specific Information

PA1-025 detects recombinant human cyclophilin A (CyPA), but does not detect endogenous levels of CyPA. PA1-025 also detects the CyPA protein from CHO cells.

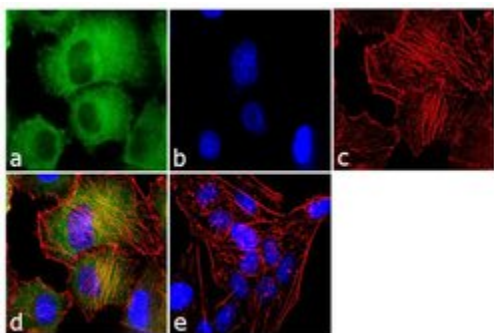
PA1-025 has been successfully used in Western blot and ICC/IF procedures. By Western blot, this antibody detects a prominent ~18 kDa protein representing recombinant human CyPA.

The PA1-025 immunogen is recombinant human CyPA expressed in E. coli.

Product Images For Cyclophilin A Polyclonal Antibody

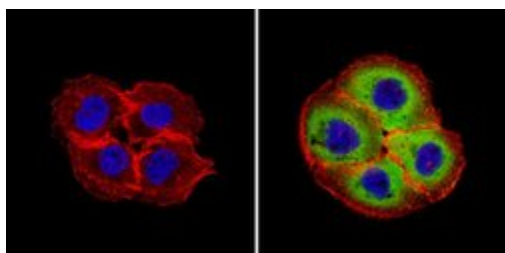
Cyclophilin A Antibody (PA1-025) in IF

Immunofluorescence analysis of Cyclophilin A was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Cyclophilin A Rabbit Polyclonal Antibody (Product # PA1-025) at 1:250 dilution in 0.1% BSA and incubated for 3 hours at room temperature 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 SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



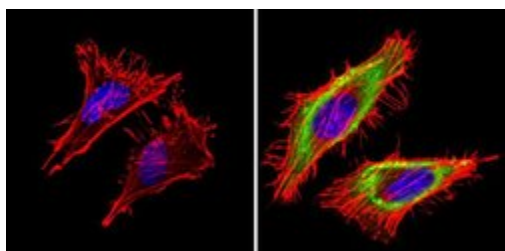
Cyclophilin A Antibody (PA1-025) in IF

Immunofluorescent analysis of Cyclophilin A (green) showing staining in the in the cytoplasm of A431 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Cyclophilin A monoclonal antibody (Product # PA1-025) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



Cyclophilin A Antibody (PA1-025) in IF

Immunofluorescent analysis of Cyclophilin A (green) showing staining in the in the cytoplasm of Hela cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Cyclophilin A polyclonal antibody (Product # PA1-025) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



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14 References

Western Blot (12)

Journal of virology

Roles of Capsid-Interacting Host Factors in Multimodal Inhibition of HIV-1 by PF74.

"PA1-025 was used in western blot to study multimodal inhibition of HIV-1 by PF74 and the roles of capsid-interacting host factors"

Authors: Saito A, Ferhadian D, Sowd GA, Serrao E, Shi J, Halambage UD, Teng S, Soto J, Siddiqui MA, Engelman AN, Aiken C, Yamashita M

Species

Human
Not Applicable

Dilution

Not Cited
Not Cited

Year

2016

PLoS pathogens

KIF5B and Nup358 Cooperatively Mediate the Nuclear Import of HIV-1 during Infection.

"PA1-025 was used in western blot to assess mediation of the nuclear import of HIV-1 during infection by cooperation between Nup358 and KIF5B"

Authors: Dharan A, Talley S, Tripathi A, Mamede JI, Majetschak M, Hope TJ, Campbell EM

Species

Human
Not Applicable

Dilution

Not Cited
Not Cited

Year

2016

[View more WB references on thermofisher.com](#)

Immunofluorescence (1)

Journal of virology

Redistribution of cyclophilin A to viral factories during vaccinia virus infection and its incorporation into mature particles.

"PA1-025 was used in western blot and immunocytochemistry to investigate the expression pattern and intracellular distribution of CypA during vaccinia virus infection."

Authors: Castro AP, Carvalho TM, Moussatché N, Damaso CR

Species

Non-human
primate
Not Applicable

Dilution

Not Cited
Not Cited

Year

2003

Immunomicroscopy (1)

Journal of virology

Redistribution of cyclophilin A to viral factories during vaccinia virus infection and its incorporation into mature particles.

"PA1-025 was used in western blot and immunocytochemistry to investigate the expression pattern and intracellular distribution of CypA during vaccinia virus infection."

Authors: Castro AP, Carvalho TM, Moussatché N, Damaso CR

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Non-human
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Dilution

Not Cited
Not Cited

Year

2003

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