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

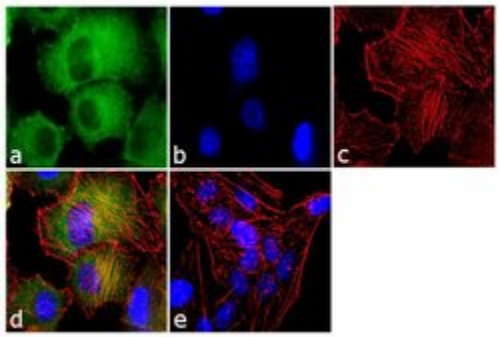
Product Specific Information

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.

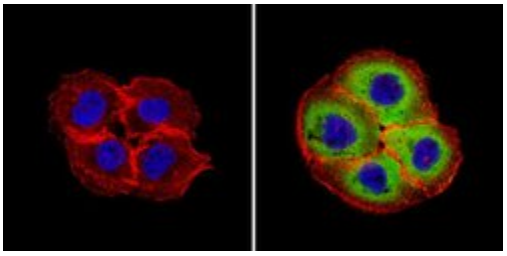
PA1-025 has been successfully used in Western blot and ICC/IF procedures. By Western blot, this antibody detects a prominent ~18 kDa protein representing recombinant human CyPA.

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

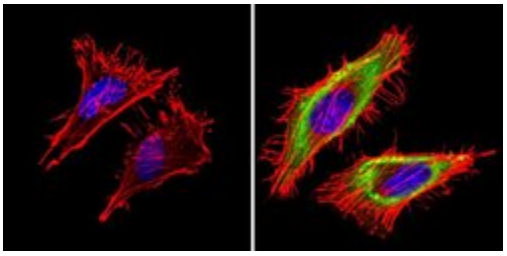
Product Images For Cyclophilin A Polyclonal Antibody



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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2003

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