

Cyclophilin 40 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Amphibian, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full length, recombinant human CyP-40 expressed in E. coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	whole serum diluted in PBS
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325973

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications
Gel Shift (GS)	Assay dependent	-
Immunocytochemistry (ICC/IF)	1:250	-

Product Specific Information

PA3-023 detects cyclophilin 40 (CyP-40) from human, mouse and rat tissues and cells.

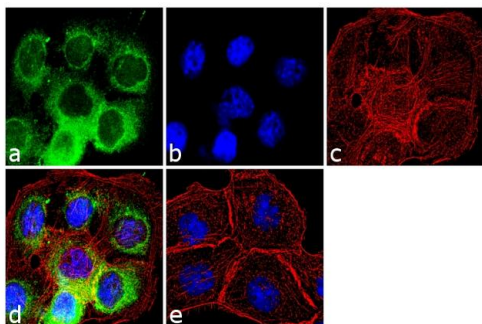
PA3-023 has been successfully used in Western blot and gel shift procedures. By Western blot, this antibody detects a 40 kDa protein representing CyP-40 from rat brain extract.

The PA3-023 immunogen is recombinant human CyP-40 expressed in E. coli.

Product Images For Cyclophilin 40 Polyclonal Antibody

Cyclophilin 40 Antibody (PA3-023) in ICC/IF

Immunofluorescence analysis of Cyclophilin D was done on 70% confluent log phase A431 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 D Rabbit Polyclonal Antibody (Product # PA3-023) 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 is a merged image showing cytoplasmic localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.



2 References

Western Blot (2)

Molecular and cellular biology

Multiple components of the HSP90 chaperone complex function in regulation of heat shock factor 1 In vivo.

"PA3-023 was used in western blot to study the complexing process of heat shock factor 1 with the HSP90 chaperone machinery."

Authors: Bharadwaj S, Ali A, Ovsenek N

Species
Not Applicable
Amphibian

Dilution
Not Cited
1:5,000

Year
1999

The Journal of biological chemistry

Cyclophilin A is required for retinoic acid-induced neuronal differentiation in p19 cells.

"PA3-023 was used in western blot to investigate the role of cyclophilin A in the retinoic acid-induced p19 cell differentiation."

Authors: Song J, Lu YC, Yokoyama K, Rossi J, Chiu R

Species
Mouse

Dilution
Not Cited

Year
2004

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