

PARP1 Monoclonal Antibody (123)

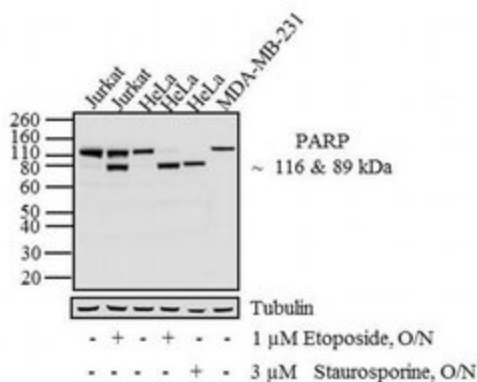
Product Details	
Size	100 µg
Species Reactivity	Dog, Horse, Human, Mouse, Rhesus monkey, Rat
Published Species	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	123
Conjugate	Unconjugated
Immunogen	Recombinant protein derived from the C-terminal region of human PARP protein.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2532215

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay Dependent	-
Immunocytochemistry (ICC)	1-2 µg/mL	-
Immunofluorescence (IF)	1-2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50	-
Immunoprecipitation (IP)	1:100-1:300	1 Publication
Western Blot (WB)	1-3 µg/mL	3 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

Advanced Verification Data

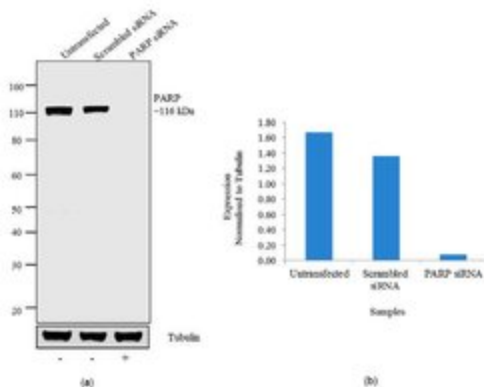
PARP1 Antibody (436400)

Modulation of expression of target protein by cell treatment to demonstrate antibody specificity. Western blotting analysis of PARP using anti-PARP Monoclonal Antibody (Product # 436400) shows decrease in the proform and corresponding increase in the expression of the cleaved form in Jurkat and HeLa cells treated with Etoposide or Staurosporine. Cell treatment validation info.



PARP1 Antibody (436400)

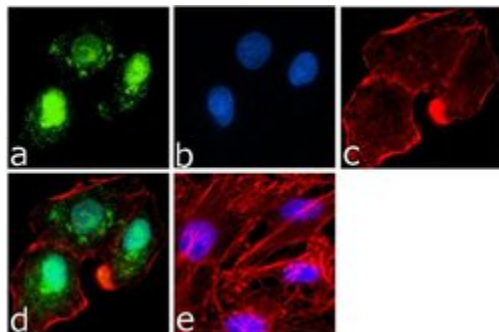
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with PARP siRNA and decrease in signal intensity was observed in western blot application (Fig a) using PARP Monoclonal Antibody (Product # 436400). Densitometric analysis of this western blot is shown in histogram (Fig b). Knockdown validation info.



Product Images For PARP1 Monoclonal Antibody (123)

PARP1 Antibody (436400) in IF

Immunofluorescence analysis of PARP was done on 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with PARP Mouse Monoclonal Antibody (Product # 436400) at 1 μg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) 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 Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d is a merged image showing both nuclear and cytoplasmic localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.



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7 References

Western Blot (3)

Oncology letters

Establishment and characterization of a triple negative basal-like breast cancer cell line with multi-drug resistance.

"Published figure using PARP monoclonal antibody (Product # 436400) in Western Blot"

Authors: Boichuk S, Galembikova A, Sitenkov A, Khusnutdinov R, Dunaev P, Valeeva E, Usolova N

Species
Not Applicable

Dilution
Not Cited

Year
2017

International journal of clinical and experimental pathology

USP17-mediated deubiquitination and stabilization of HDAC2 in cigarette smoke extract-induced inflammation.

"436400 was used in western blot to report that USP17 interacts with HDAC2"

Authors: Song H, Tao L, Chen C, Pan L, Hao J, Ni Y, Li D, Li B, Shi G

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2016

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Miscellaneous PubMed (3)

International journal of clinical and experimental pathology

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Not Applicable

Dilution
Not Cited
Not Cited

Year
2016

International journal of molecular sciences

The Deubiquitinase USP17 Regulates the Stability and Nuclear Function of IL-33.

"436400 was used in western blot to investigate how IL-33 regulates IL-13 gene expression"

Authors: Ni Y, Tao L, Chen C, Song H, Li Z, Gao Y, Nie J, Piccioni M, Shi G, Li B

Species
Human

Dilution
Not Cited

Year
2015

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IP (1)

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