

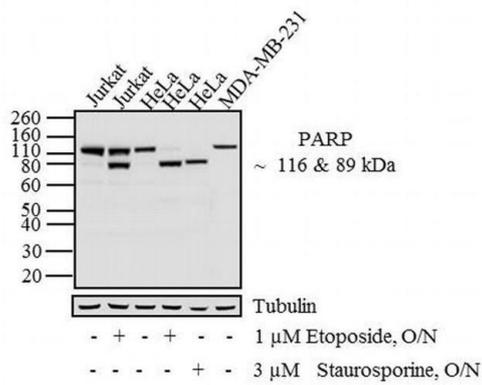
PARP1 Monoclonal Antibody (123)

Product Details

Size	100 µg
Species Reactivity	Dog, Horse, Human, Mouse, Rhesus monkey, Rat
Published Species	Dog, Human
Host/Isotype	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
Western Blot (WB)	1-3 µg/mL	7 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50	-
Immunocytochemistry (ICC/IF)	1-2 µg/mL	1 Publication
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	1:100-1:300	1 Publication
RNA Immunoprecipitation (RIP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	2 Publications

Product Images For PARP1 Monoclonal Antibody (123)

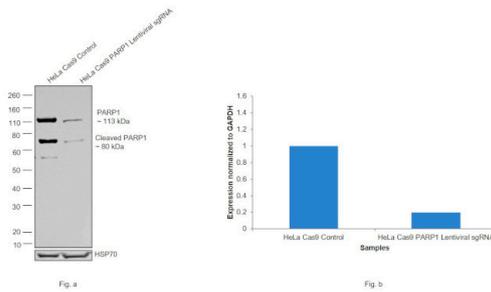


PARP1 Antibody (436400)

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. {TM}

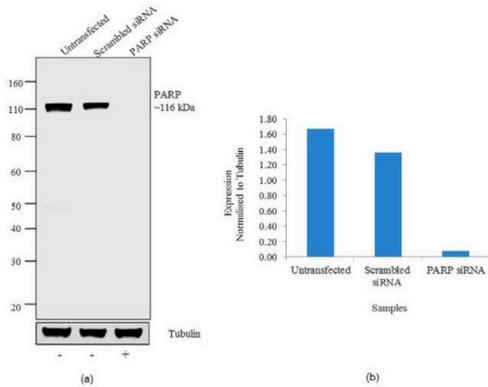
PARP1 Antibody (436400)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A reduced signal was observed for target protein in HeLa Cas9 cell line transduced with PARP1 Lentiviral sgRNA compared to control cell line using Anti-PARP1 Monoclonal Antibody (123) (Product # 436400). {KO}



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). {KD}



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11 References

Western Blot (7)

Biomedicines

Infigratinib (BGJ 398), a Pan-FGFR Inhibitor, Targets P-Glycoprotein and Increases Chemotherapeutic-Induced Mortality of Multidrug-Resistant Tumor Cells.

"436400 was used in Western Blotting to show that infigratinib (BGJ 398) reverses the sensitivity of MDR-overexpressing cancer cells to certain chemotherapeutic agents due to inhibition of their efflux from cancer cells via ABCB1-mediated mechanism."

Authors: Boichuk S,Dunaev P,Mustafin I,Mani S,Syuzov K,Valeeva E,Bikinieva F,Galembikova A

Year
2022

Species
Human

Journal of cellular and molecular medicine

ER down-regulates carbohydrate responsive element binding protein and decreases aerobic glycolysis in liver cancer cells.

"436400 was used in Flow Cytometry, Immunocytochemistry, Immunohistochemistry (Paraffin), Immunoprecipitation, RNA Immunoprecipitation, Western Blot to confirm an original role of ER in suppressing aerobic glycolysis in liver cancer cells and elucidate the mechanism by which ER and ChREBP- together regulate ChREBP- expression."

Authors: Lu Y,Tian N,Hu L,Meng J,Feng M,Zhu Y,Zhang P,Li M,Liu Q,Tong L,Tong X,Li Y,Wu L

Year
2021

Species
Human

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

Immunocytochemistry (1)

Life (Basel, Switzerland)

Modulation of Epithelial Mesenchymal Transition after AGTR-1 Gene Edition by Crispr/Cas9 and Losartan Treatment in Mammary Tumor Cell Line: A Comparative Study between Human and Canine Species.

"436400 was used in Immunocytochemistry to study the capacity of losartan and angiotensin II type I receptor (AGTR-1) gene edition to modulate the epithelial-to-mesenchymal transition process in triple negative/metastatic mammary tumor cells, compared to existing treatment protocols such as carboplatin."

Authors: Moschetta-Pinheiro MG,Colombo J,Godoy BLV,Balan JF,Nascimento BC,Zuccari DAPC

Year
2021

Species
Human
Dog

Dilution
1:50
1:50

Immunoprecipitation (1)

International journal of clinical and experimental pathology

Deubiquitination and stabilization of IL-33 by USP21.

"436400 was used in immunoprecipitation to study the effect of ubiquitination modification in regulating the protein stability and the nuclear function of IL-33"

Authors: Tao L,Chen C,Song H,Piccioni M,Shi G,Li B

Year
2015

Species
Human

More applications with references on thermofisher.com

Misc (2)

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