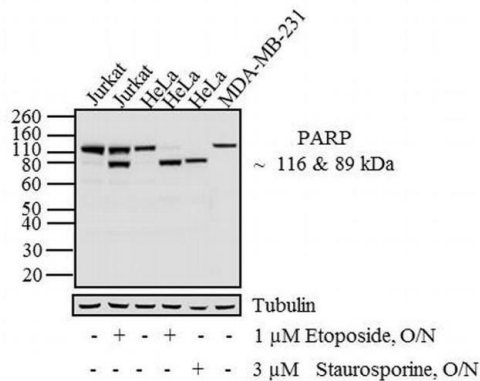


PARP1 Monoclonal Antibody (123)

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)

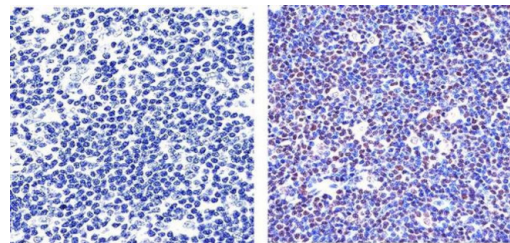
Modulation of expression of target protein by cell treatment to demonstrate antibody specificity. Western blotting analysis of PARP using anti-PARP Monoclonal Antibody (Product # 436400) shows decrease in the proform and corresponding increase in the expression of the cleaved form in Jurkat and HeLa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

PARP1 Antibody (436400) in WB

Western blot analysis was performed on whole cell extracts (30 μg lysate) of Jurkat (lane 1), Jurkat treated for Overnight with 1 μM of Etoposide (lane 2), HeLa (lane 3), HeLa treated for Overnight with 1 μM of Etoposide (lane 4) HeLa treated for Overnight with 3 μM of Staurosporine (lane 5) and MDA-MB-231 (lane 6). The blots were probed with Anti-PARP Mouse Monoclonal Antibody (Product # 436400, 1-3 μg/mL) and detected by chemiluminescence Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). Along with 116 kDa, 89 kDa Caspase cleaved isoform band corresponding to PARP was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

PARP1 Antibody (436400) in IHC (P)

Immunohistochemistry analysis of PARP showing staining in the nucleus of paraffin-embedded human diffuse large B cell lymphoma tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a PARP Mouse Monoclonal Antibody (Product # 436400) diluted in 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



View more figures on thermofisher.com

Western Blot (7)

Biomedicines	Year 2022
Infigratinib (BGJ 398), a Pan-FGFR Inhibitor, Targets P-Glycoprotein and Increases Chemotherapeutic-Induced Mortality of Multidrug-Resistant Tumor Cells.	Species Human
"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	
Journal of cellular and molecular medicine	Year 2021
ER down-regulates carbohydrate responsive element binding protein and decreases aerobic glycolysis in liver cancer cells.	Species Human
"436400 was used in Western Blotting 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	

View more WB references on thermofisher.com

Immunocytochemistry (1)

Life (Basel, Switzerland)	Year 2021
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.	Species Human Dog
"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	
	Dilution 1:50 1:50

Immunoprecipitation (1)

International journal of clinical and experimental pathology	Year 2015
Deubiquitination and stabilization of IL-33 by USP21.	Species Human
"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	

More applications with references on thermofisher.com

Misc (2)

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