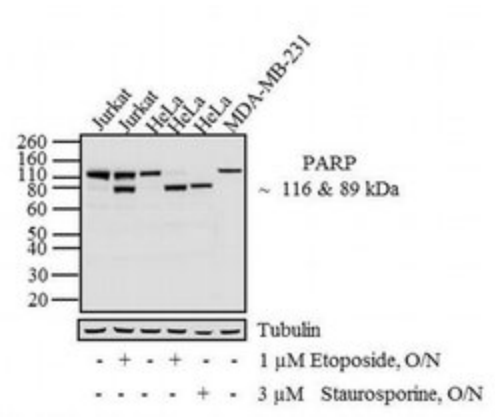
PARP1 Monoclonal Antibody (123)

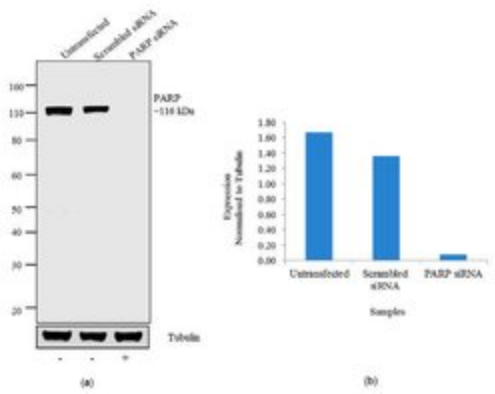
Product Details	
Size	100 µg
Species Reactivity	Dog, Horse, Human, Mouse, Rhesus monkey, Rat
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	123
Conjugate	Unconjugated
Immunogen	Recombinant protein derived from the C-terminal region of human PARP protein.
Form	Liquid
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	5 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50	-
Immunocytochemistry (ICC/IF)	1-2 µg/mL	-
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	1:100-1:300	1 Publication
RNA Immunoprecipitation (RIP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	2 Publications

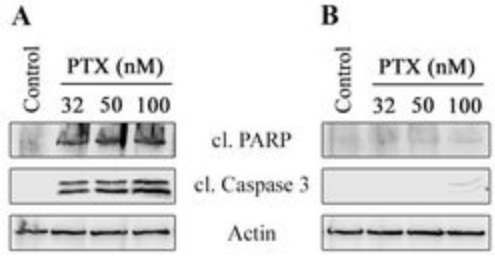
Advanced Verification Data



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.



PARP1 Antibody (436400)
Figure 3. PTX induces the apoptosis of HCC1806 parental cells, and not HCC1806-TxR cells. Western blot analysis of (A) HCC1806 and (B) HCC1806-TxR cells for cleaved forms of PARP and caspase-3, markers of apoptotic cell death, following the treatment with dimethyl sulfoxide or PTX for 48 h. beta-actin was used as a loading control. PTX, paclitaxel; TxR, taxol resistant; PARP, poly(ADP-ribose) polymerase; cl., cleaved. Cell treatment validation info.

View more figures on thermofisher.com

8 References

Western Blot (5)

International journal of molecular sciences

Inhibition of AKT-Signaling Sensitizes Soft Tissue Sarcomas (STS) and Gastrointestinal Stromal Tumors (GIST) to Doxorubicin via Targeting of Homology-Mediated DNA Repair.

"436400 was used in Western Blotting to study the role of AKT signaling in regulating of Rad51 turnover and cytotoxic effects of topoisomerase II inhibitor, doxorubicin (Dox) in soft tissue sarcomas (STS) and gastrointestinal stromal tumors (GIST) in vitro."

Authors: Boichuk S,Bikinieva F,Nurgatina I,Dunaev P,Valeeva E,Aukhadieva A,Sabirov A,Galembikova A

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2020

International journal of molecular sciences

Proteomics Profiling of KAIMRC1 in Comparison to MDA-MB231 and MCF-7.

"436400 was used in Western Blotting to perform a Tandem Mass Tag (TMT) strategy for accurate peptide/protein quantification."

Authors: Alghanem B,Ali R,Nehdi A,Al Zahrani H,Altolayyan A,Shaibah H,Baz O,Alhallaj A,Moresco JJ,Diedrich JK, Yates JR,Boudjelal M

Species
Human
Not Applicable

Dilution
1:500
Not Cited

Year
2020

View more WB references on thermofisher.com

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

Species
Human

Dilution
Not Cited

Year
2015

Miscellaneous PubMed (2)

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

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.