

Product Datasheet

PARP Antibody (194C1439) - Cleaved - BSA Free NB100-56599

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 10

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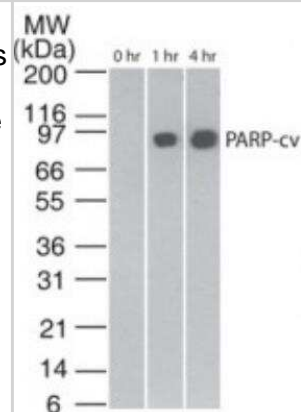
NB100-56599

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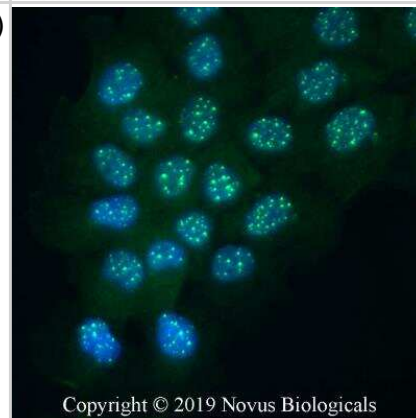
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	194C1439
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse PARP Antibody (194C1439) - Cleaved - BSA Free (NB100-56599) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-PARP Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	142
Gene Symbol	PARP1
Species	Human, Mouse, Rat (Negative)
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29622764). Rat negative reported via customer review.
Specificity/Sensitivity	This monoclonal antibody specifically detects a 89-kDa cleavage fragment containing the catalytic and auto modification domain.
Immunogen	This antibody was developed by immunizing mice with a synthetic peptide containing amino acids near 214/215-cleavage site of human PARP.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1 - 2 ug/mL, Flow Cytometry, Immunocytochemistry/Immunofluorescence 2-5 ug/ml, Flow (Intracellular) 1 - 10 ug/1x10 ⁶ cells

Images

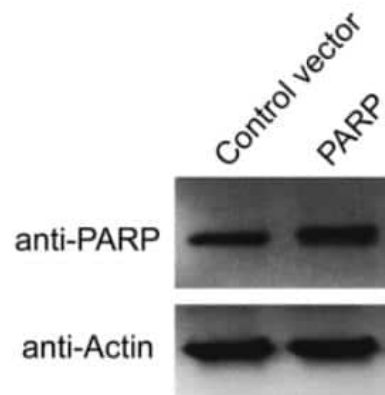
Western Blot: PARP Antibody (194C1439) - Cleaved [NB100-56599] - Analysis of cleaved PARP in staurosporine-treated Jurkat cells at various time points, antibody at 2 ug/mL. The band corresponding to cleaved PARP is only seen in the treated samples. Anti-mouse Ig HRP conjugate was used in this test.



Immunocytochemistry/Immunofluorescence: PARP Antibody (194C1439) - Cleaved [NB100-56599] - A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-PARP Antibody (194C1439) at 5 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Western Blot: PARP Antibody (194C1439) - Cleaved [NB100-56599] - Analysis using 293T lysates expressing PARP. Image from verified customer review.



Publications

Wang S, Chang CW, Huang J et al. Gasdermin C sensitizes tumor cells to PARP inhibitor therapy in cancer models The Journal of clinical investigation 2023-10-26 [PMID: 37883181] (WB, Human)

Szabó V, Csákány-Papp N, Görög M et al. Orai1 calcium channel inhibition prevents progression of chronic pancreatitis JCI insight 2023-05-25 [PMID: 37227782] (IHC-P, Human, Mouse)

Details:

Dilution 1:200

Erdogan S, Turkekul K Neferine inhibits proliferation and migration of human prostate cancer stem cells through p38 MAPK/JNK activation Food Biochem 2020-05-11 [PMID: 32394497] (WB, Human)

Details:

Citation using the Azide Free format of this antibody.

Melao A, Spit M, Cardoso BA, Barata JT Optimal interleukin-7 receptor-mediated signaling, cell cycle progression and viability of T-cell acute lymphoblastic leukemia cells rely on casein kinase 2 activity. Haematologica. 2016-11-01 [PMID: 27470599] (WB)

Details:

Citation using the Azide Free version of this antibody.

Mega Tiber P, Kocyigit Sevinc S, Kilinc O, Orun O Biological effects of whole Z.Officinale extract on chronic myeloid leukemia cell line K562. Gene. 2019-04-15 [PMID: 30684525] (WB, Human)

Details:

Citation using the Azide free version of this antibody.

Dou X, Li S, Hu L et al. Glutathione disulfide sensitizes hepatocytes to TNF α -mediated cytotoxicity via IKK-b S-glutathionylation: a potential mechanism underlying non-alcoholic fatty liver disease. Exp. Mol. Med. 2018-04-06 [PMID: 29622764] (WB, Mouse)

Kamal A, Srekanth K, Kumar PP et al. Synthesis and potential cytotoxic activity of new phenanthrylphenol-pyrrolobenzodiazepines. Eur J Med Chem. 2010-06-01 [PMID: 20171761]

Details:

Products cited for western blot: 1. PARP (IMG-401A): MCF-7 cells treated with numerous compounds, Fig 7. 2. B-Tubulin (IMG-5180A): MCF-7 cells treated with PP-PBDs, Fig 6 and Fig 7. 3. Cytochrome C (IMG-101A): MCF-7 cells treated with numerous compounds,

Chen YC, Shen SC, Lin HY. Rutinoside at C7 attenuates the apoptosis-inducing activity of flavonoids. Biochem Pharmacol. 2003-10-01 [PMID: 14505793]

Ko CH, Shen SC, Chen YC. Hydroxylation at C4' or C6 is essential for apoptosis-inducing activity of flavanone through activation of the caspase-3 cascade and production of reactive oxygen species. Free Radic Biol Med. 2004-04-01 [PMID: 15019974]

Chen YC, Shen SC, Lee WR et al. Emodin induces apoptosis in human promyeloleukemic HL-60 cells accompanied by activation of caspase 3 cascade but independent of reactive oxygen species production. Biochem Pharmacol. 2002-12-15 [PMID: 12445860]



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Products Related to NB100-56599

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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