

Product Datasheet

WRN Antibody - BSA Free NB100-472

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-472

WRN Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	162 kDa

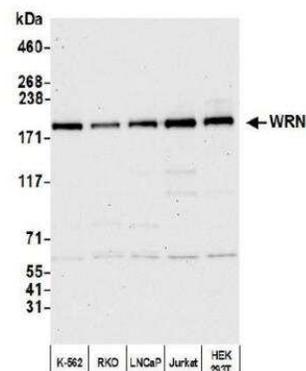
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit WRN Antibody - BSA Free (NB100-472) is a polyclonal antibody validated for use in WB and IP. Anti-WRN Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7486
Gene Symbol	WRN
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30971823).
Immunogen	The immunogen recognized by this antibody maps to a region between residues 1400 and the C-terminus (residue 1432) of human Werner Syndrome Helicase using the numbering given in SwissProt entry Q14191 (GeneID 7486).

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:5000-1:25000, Immunoprecipitation 2-5 ug/mg lysate, Knockout Validated

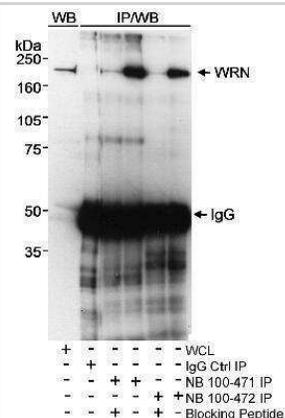


Images

Western Blot: WRN Antibody [NB100-472] - Whole cell lysate (10 ug) from K-562, RKO, LNCaP, Jurkat, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-WRN antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: WRN Antibody [NB100-472] - Detection of human WRN on HeLa whole cell lysate using NB100-472. WRN was immunoprecipitated with NB100-472 or rabbit anti-WRN antibody NB100-471.



Publications

Barroso-Gonzalez J, Garcia-Expósito L, Galaviz P et al. Anti-recombination function of MutS alpha restricts telomere extension by ALT-associated homology-directed repair Cell reports 2021-12-07 [PMID: 34879271]

Niek van Wietmarschen, Sriram Sridharan, William J Nathan, Anthony Tubbs, Edmond M Chan, Elsa Callen, Wei Wu, Frida Belinky, Veenu Tripathi, Nancy Wong, Kyla Foster, Javad Noorbakhsh, Kiran Garimella, Abimael Cruz-Migoni, Joshua A Sommers, Yongqing Huang, Ashir A Borah, Jonathan T Smith, Jeremie Kalfon, Nikolas Kesten, Kasper Fugger, Robert L Walker, Egor Dolzhenko, Michael A Eberle, Bruce E Hayward, Karen Usdin, Catherine H Freudenreich, Robert M Brosh, Stephen C West, Peter J McHugh, Paul S Meltzer, Adam J Bass, André Nussenzweig Repeat expansions confer WRN dependence in microsatellite-unstable cancers. Nature 2020-12-14 [PMID: 32999459]

Emam A, Wu X, Xu S et al. Stalled replication fork protection limits cGAS-STING and P-body-dependent innate immune signalling Nature cell biology 2022-07-01 [PMID: 35817959] (WB, Human)

Chan EM, Shibue T, McFarland JM et al. WRN helicase is a synthetic lethal target in microsatellite unstable cancers Nature 2019-04-01 [PMID: 30971823] (WB, KO, Mouse, Human)

Sidorova JM, Li N, Folch A et al. The RecQ helicase WRN is required for normal replication fork progression after DNA damage or replication fork arrest. Cell Cycle. 2008-03-15 [PMID: 18250621] (WB, Human)

Li B, Jog SP, Reddy S et al. WRN controls formation of extrachromosomal telomeric circles and is required for TRF2DeltaB-mediated telomere shortening. Mol Cell Biol 2008-03-01 [PMID: 18212065]

Sidorova JM, Kehrlí K, Mao F, Monnat R Jr. Distinct functions of human RECQ helicases WRN and BLM in replication fork recovery and progression after hydroxyurea-induced stalling DNA Repair (Amst) 2012-12-17 [PMID: 23253856] (WB, Human)

Indig FE, Rybanska I, Karmakar P et al. Nucleolin Inhibits G4 Oligonucleotide Unwinding by Werner Helicase PLoS One 2012-01-01 [PMID: 22675465]

Liu F-J, Barchowsky A, Opresko PL. The Werner Syndrome Protein Functions in Repair of Cr(VI)-Induced Replication-Associated DNA Damage. Toxicol Sci;110(2):307-318. 2009-01-01 [PMID: 19487340]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-472

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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