

Product Datasheet

Exonuclease 1 Antibody - BSA Free NBP2-16391

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 5

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NBP2-16391**Exonuclease 1 Antibody - BSA Free**

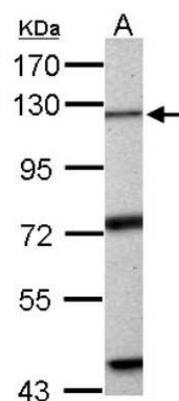
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	94 kDa

Product Description	
Description	Novus Biologicals Rabbit Exonuclease 1 Antibody - BSA Free (NBP2-16391) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-Exonuclease 1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9156
Gene Symbol	EXO1
Species	Human, Mouse
Immunogen	Recombinant protein encompassing a sequence within the center region of human Exonuclease 1. The exact sequence is proprietary.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000

Images

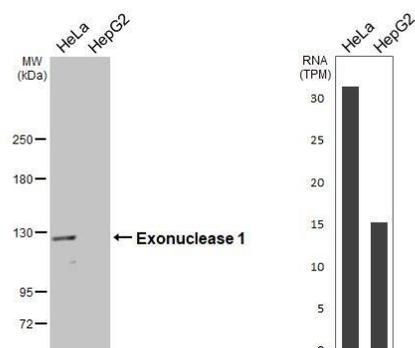
Western Blot: Exonuclease 1 Antibody [NBP2-16391] - Sample (50 ug of whole cell lysate) A: mouse thymus, 7.5% SDS PAGE gel, diluted at 1:1000.



Immunocytochemistry/Immunofluorescence: Exonuclease 1 Antibody [NBP2-16391] - Analysis of paraformaldehyde-fixed HeLa, using antibody at 1:500 dilution.



Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Exonuclease 1 antibody (NBP2-16391) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



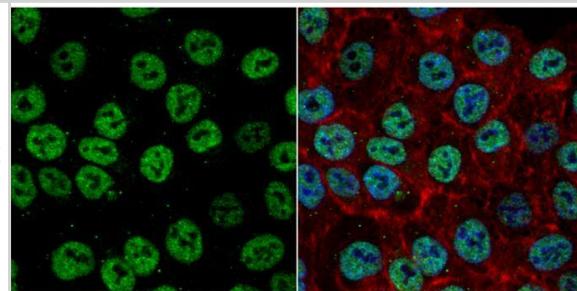
Exonuclease 1 antibody detects Exonuclease 1 protein at nucleus by immunofluorescent analysis.

Sample: HCT116 cells were fixed in 4% paraformaldehyde at RT for 15 min.

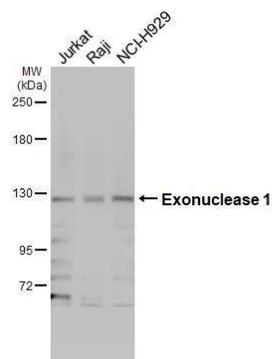
Green: Exonuclease 1 protein stained by Exonuclease 1 antibody (NBP2-16391) diluted at 1:1000.

Red: phalloidin, a cytoskeleton marker, stained by phalloidin (invitrogen, A12380) diluted at 1:200.

Blue: Hoechst 33342 staining.



Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Exonuclease 1 antibody (NBP2-16391) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Nusawardhana, A;Pale, LM;Nicolae, CM;Moldovan, GL; USP1-dependent nucleolytic expansion of PRIMPOL-generated nascent DNA strand discontinuities during replication stress *Nucleic acids research* 2024-01-05 [PMID: 38180818]

Hale A, Dhoonmoon A, Straka J et al. Multi-step processing of replication stress-derived nascent strand DNA gaps by MRE11 and EXO1 nucleases *Nature communications* 2023-10-07 [PMID: 37805499] (PLA)

Zhao L, Zang Q, Liang G, Yao X LncRNA CECR7 boosts hepatocellular carcinoma progression by recruiting RNA binding protein U2AF2 to enhance the stability of EXO1 mRNA *Heliyon* 2023-09-01 [PMID: 37809785] (WB, Human)

Dhoonmoon A, Nicolae CM, Moldovan GL The KU-PARP14 axis differentially regulates DNA resection at stalled replication forks by MRE11 and EXO1 *Nature communications* 2022-08-27 [PMID: 36030235] (KD, WB, Human)

Details:

Supplementary Figure S1. H: Western blots confirming knockdowns of ZRANB3 and PARP10 in HeLa-BRCA2KO cells.

Xu X, Ni K, He Y et al. The epigenetic regulator LSH maintains fork protection and genomic stability via MacroH2A deposition and RAD51 filament formation *Nature communications* 2021-06-10 [PMID: 34112784] (WB, Human)





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 NBP2-16391

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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