

Product Datasheet

Lamin A + C Antibody - BSA Free NBP2-19324

Unit Size: 0.1 ml

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

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Publications: 4

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NBP2-19324

Lamin A + C 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 (pH 7), 20% Glycerol
Target Molecular Weight	74 kDa

Product Description

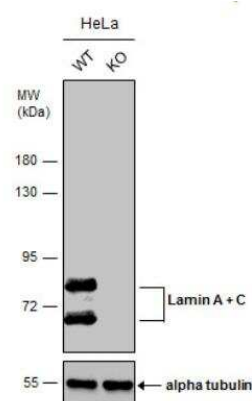
Description	Novus Biologicals Knockout (KO) Validated Rabbit Lamin A + C Antibody - BSA Free (NBP2-19324) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Lamin A + C Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4000
Gene Symbol	LMNA
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (81%).
Marker	Nuclear Envelope Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human Lamin A + C. The exact sequence is proprietary.

Product Application Details

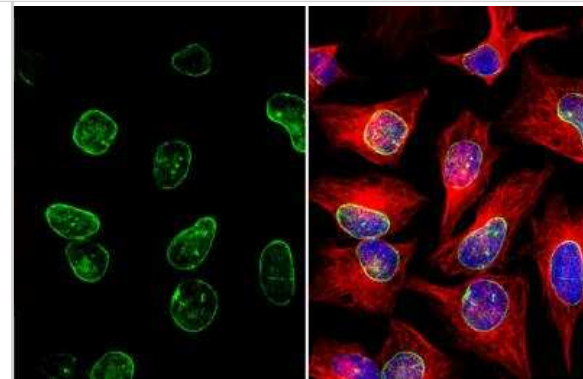
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated

Images

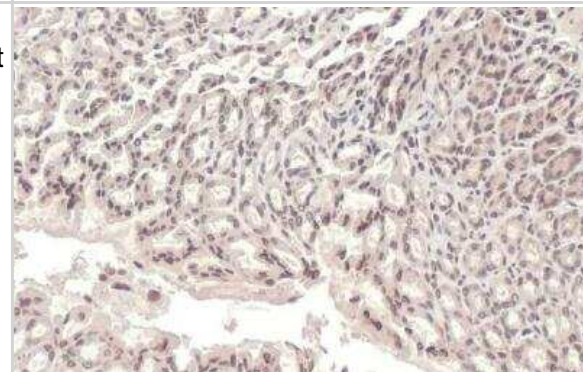
Western Blot: Lamin A + C Antibody [NBP2-19324] - Wild-type (WT) and Lamin A + C knockout (KO) HeLa cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin A + C antibody. The HRP-conjugated anti-rabbit IgG (NBP2-19301) antibody was used to detect the primary antibody.



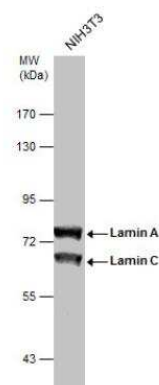
Immunocytochemistry/Immunofluorescence: Lamin A + C Antibody [NBP2-19324] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Lamin A + C stained by Lamin A + C antibody diluted at 1:1000. Red: alpha Tubulin, stained by alpha Tubulin antibody [114] (NBP2-43837) diluted at 1:500. Blue: Fluoroshield with DAPI.



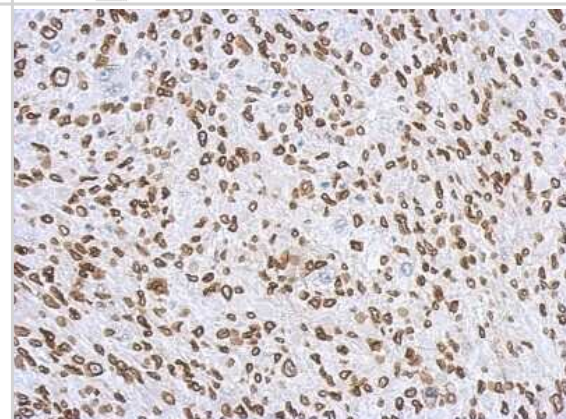
Immunohistochemistry-Paraffin: Lamin A + C Antibody [NBP2-19324] - Mouse stomach. Lamin A + C stained by Lamin A + C antibody diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



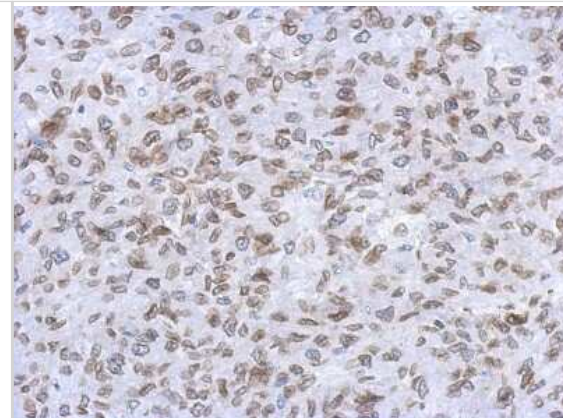
Western Blot: Lamin A + C Antibody [NBP2-19324] - Sample (30 ug of whole cell lysate) A: NIH-3T3 7.5% SDS PAGE diluted at 1:1000.



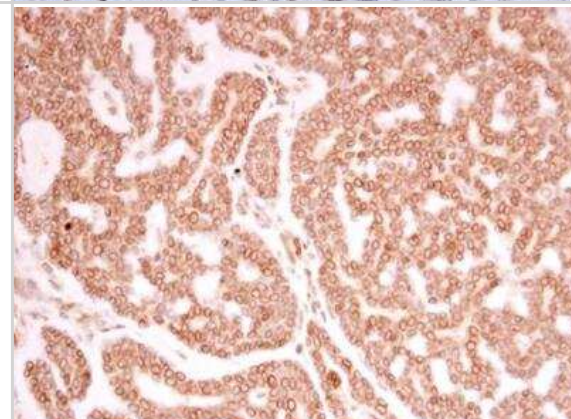
Immunohistochemistry-Paraffin: Lamin A + C Antibody [NBP2-19324] - C2C12 xenograft, using Lamin A + C antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



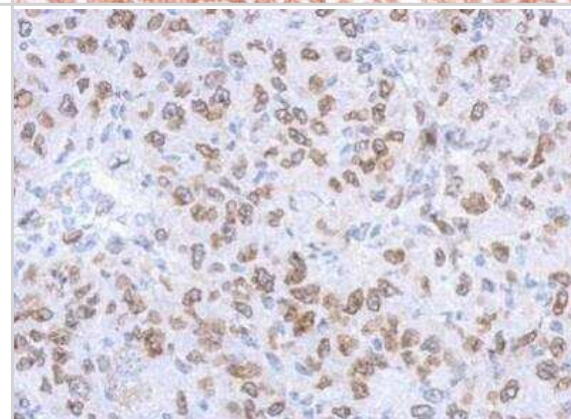
Immunohistochemistry-Paraffin: Lamin A + C Antibody [NBP2-19324] - RT2 xenograft, using Lamin A + C antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



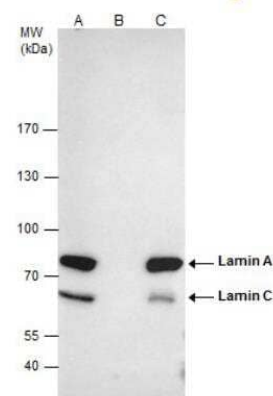
Immunohistochemistry-Paraffin: Lamin A + C Antibody [NBP2-19324] - Human breast carcinoma. Lamin A + C antibody diluted at 1:250. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



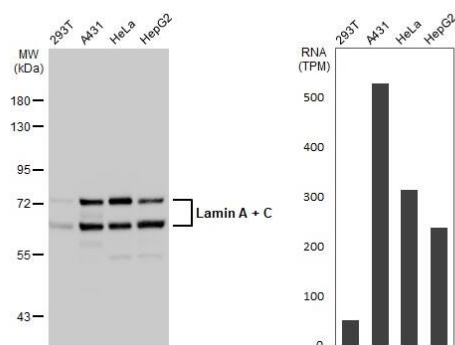
Immunohistochemistry-Paraffin: Lamin A + C Antibody [NBP2-19324] - Mahlarvu xenograft, using Lamin A + C antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



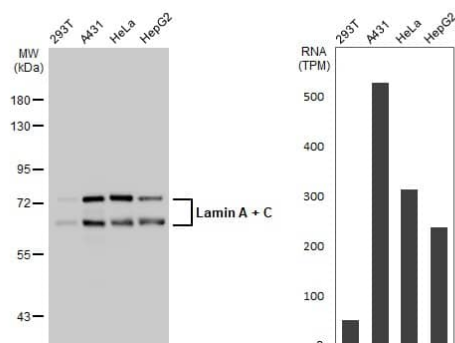
Immunoprecipitation: Lamin A + C Antibody [NBP2-19324] - A. 50 ug HeLa whole cell extract B. Control with 4 ug of preimmune Rabbit IgG C. Immunoprecipitation of Lamin A + C protein by 4 ug Lamin A + C antibody (NBP2-19324) 7.5 % SDS-PAGE



Western Blot: Lamin A + C Antibody [NBP2-19324] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin A + C antibody diluted at 1:2000. 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.



Western Blot: Lamin A + C Antibody [NBP2-19324] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin A + C antibody diluted at 1:2000. 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.



Publications

Yang JG, Sun B, Wang Z et al. Exosome-targeted delivery of METTL14 regulates NFATc1 m6A methylation levels to correct osteoclast-induced bone resorption *Cell death & disease* 2023-11-13 [PMID: 37957146]

Brown SJ, olti? D, Synowsky SA et al. AAV9-mediated SMN gene therapy rescues cardiac desmin but not Lamin a/C and elastin dysregulation in Smn 2B/- spinal muscular atrophy mice *Human molecular genetics* 2023-07-27 [PMID: 37498175] (IHC-Fr, Mouse)

Edara VV, Nooka S, Proulx J et al. beta-Catenin Regulates Wound Healing and IL-6 Expression in Activated Human Astrocytes *Biomedicines* 2020-11-06 [PMID: 33171974] (Human)

Details:

WES analysis of human beta-catenin knockdown astrocytes.

Soltic D, Shorrock HK, Allardyce H et al. Lamin A/C dysregulation contributes to cardiac pathology in a mouse model of severe spinal muscular atrophy *Hum. Mol. Genet.* 2019-08-09 [PMID: 31397869]



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Products Related to NBP2-19324

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004000-P01-2ug	Recombinant Human Lamin A + C GST (N-Term) Protein

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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