

Product Datasheet

Lamin A + C Antibody (WL4G10) - BSA Free NBP2-59933

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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NBP2-59933

Lamin A + C Antibody (WL4G10) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	WL4G10
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	65 kDa

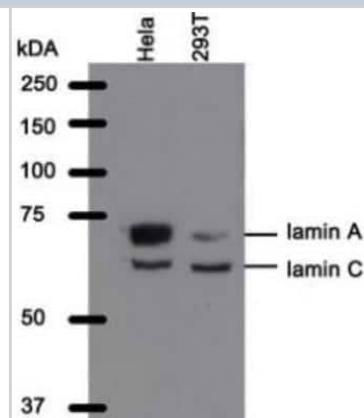
Product Description	
Description	Novus Biologicals Mouse Lamin A + C Antibody (WL4G10) - BSA Free (NBP2-59933) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Lamin A + C Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4000
Gene Symbol	LMNA
Species	Human
Immunogen	GST fused to C-terminal fragment of human lamin A (amino acids residues 422-664)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500
Application Notes	Lamin A is 74kDa and Lamin C is 65 kDa. Positive control(s): HeLa, 293T cells

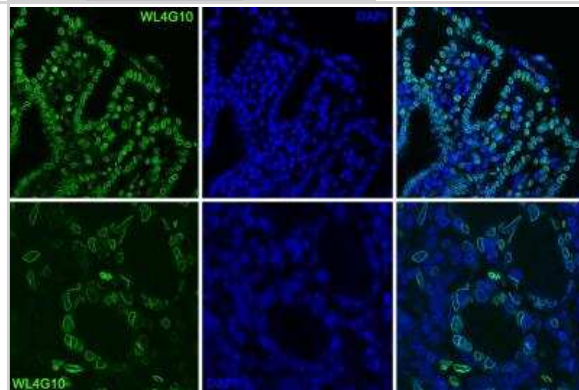


Images

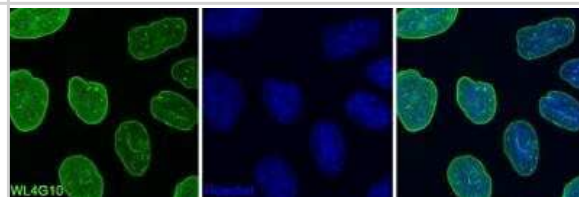
Western Blot: Lamin A + C Antibody (WL4G10) [NBP2-59933] - Lamin A + C (WL4G10) [NBP2-59933] - Whole cell lysates from HeLa and 293T cells were separated on SDS-PAGE gel, transferred to nitrocellulose membrane and stained with WL4G10 antibody. The membrane was blocked overnight in blocking buffer (5% nonfat dry milk resuspended in 0.1% Tween and 1X PBS). Both primary and secondary antibodies were diluted in blocking buffer. As expected, 293T cells express less of the lamin A isoform.



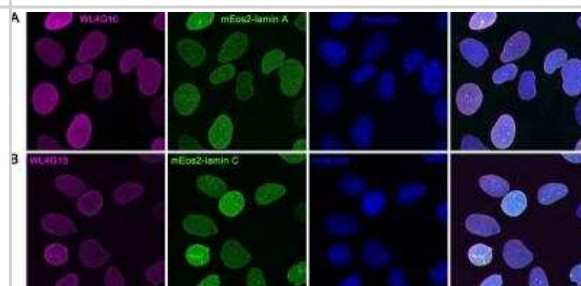
Immunohistochemistry-Paraffin: Lamin A + C Antibody (WL4G10) [NBP2-59933] - Analysis of formalin-fixed paraffin-embedded human gut. Following heat induced antigen retrieval, the sections were stained with mouse monoclonal anti-lamin A+C clone WL4G10 antibody (green). Nuclei were visualized with DAPI.



Immunocytochemistry/Immunofluorescence: Lamin A + C Antibody (WL4G10) [NBP2-59933] - Confocal images of methanol fixed HeLa cells that were immunofluorescently stained with mouse monoclonal WL4G10 antibody. The antibody works as well on cells fixed with 4% PFA.



Immunocytochemistry/Immunofluorescence: Lamin A + C Antibody (WL4G10) [NBP2-59933] - The mouse monoclonal WL4G10 antibody recognizes human lamins A and C. Immortalized mouse adult LMNA null fibroblast stably expressing: (A) mEos2-lamin A or (B) mEos2-lamin C fused were fixed in 4% PFA and stained with WL4G10 antibody (magenta). Expression of the respective LMNA isoform is shown in green. The nuclei were counter-stained with Hoechst. Of note, the WL4G10 antibody does not recognize mouse lamins A and C.



Publications

Khan M, Ashraf M Human iPS Cells Derived Skeletal Muscle Progenitor Cells Promote Myoangiogenesis and Restore Dystrophin in Duchenne Muscular Dystrophic Mice Stem Cell Res Ther 2021-02-13 [PMID: 33579366] (IHC-Fr, Human)



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Products Related to NBP2-59933

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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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