

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

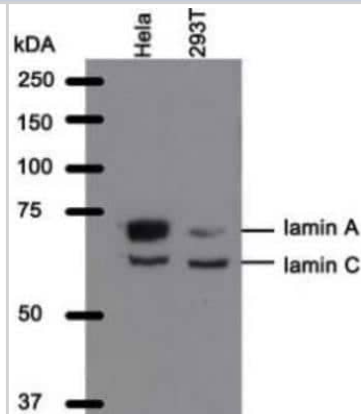
Product Description	
Host	Mouse
Gene ID	4000
Gene Symbol	LMNA
Species	Human
Immunogen	GST fused to C-terminal fragment of human lamin A (amino acids residues 422-664)

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
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

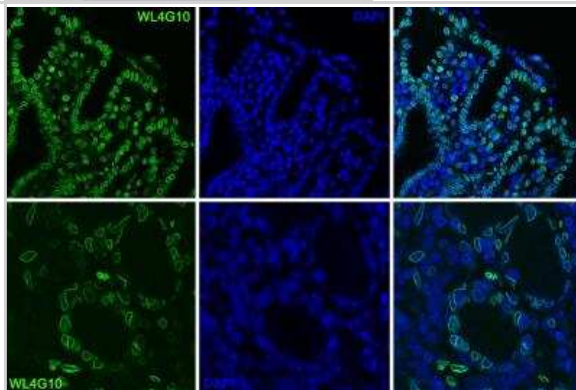


Images

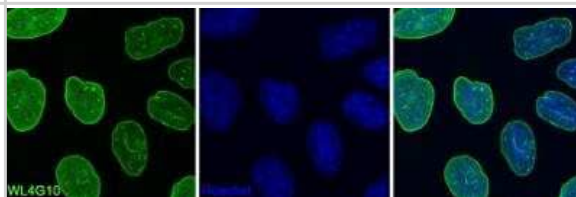
Western Blot: Lamin A + C Antibody (WL4G10) [NBP2-59933] - Lamin A + C (WL4G10) [NBP2-59933] - Whole cell lysates from HeLa and 293T cells were separated on SDS-PAGE gel, transferred to nitrocellulose membrane and stained with WL4G10 antibody. The membrane was blocked overnight in blocking buffer (5% 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.



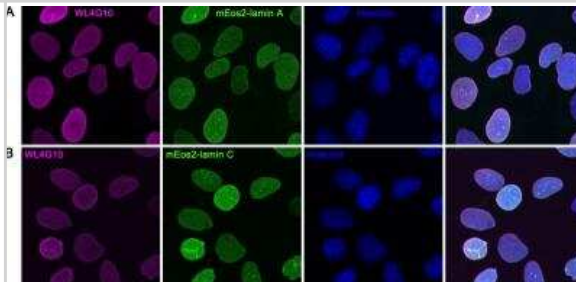
Immunohistochemistry-Paraffin: Lamin A + C Antibody (WL4G10) [NBP2-59933] - Analysis of formalin-fixed paraffin-embedded human gut. Following heat induced antigen retrieval, the sections were stained with mouse monoclonal anti-lamin A+C clone WL4G10 antibody (green). Nuclei were visualized with DAPI.



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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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