

Product Datasheet

Lamin A + C Antibody (LASS2D9) - BSA Free **NBP2-59937**

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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NBP2-59937

Lamin A + C Antibody (LASS2D9) - 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	LASS2D9
Preservative	0.02% Sodium Azide
Isotype	IgG3 Kappa
Purity	Protein A purified
Buffer	PBS

Product Description

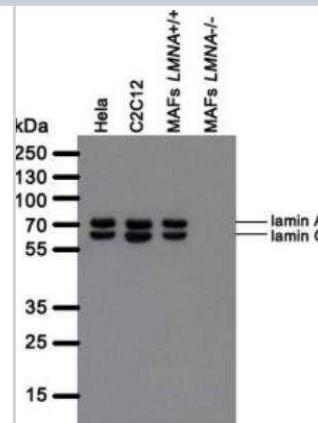
Host	Mouse
Gene Symbol	LMNA
Species	Human, Mouse
Immunogen	The immunogen for this product is proprietary.

Product Application Details

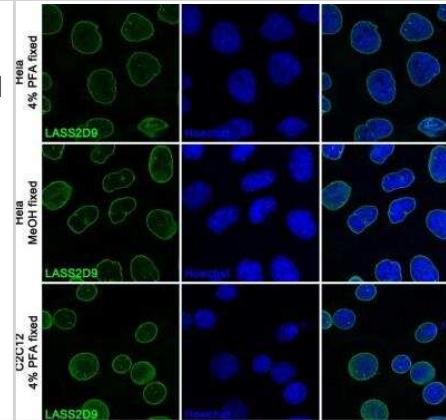
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen
Application Notes	Positive control(s): Hela, 293T, C2C12, fibroblasts

Images

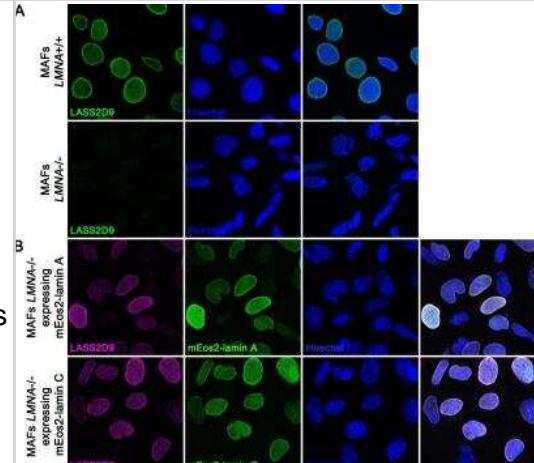
Western Blot: Lamin A + C Antibody (LASS2D9) [NBP2-59937] - Analysis in whole cell lysate from human (Hela) and mouse (C2C12, mouse adult fibroblasts (MAFs)) cell lines cells were separated on SDS-PAGE gel, transferred to nitrocellulose membrane and blotted with LASS2D9 antibody. The membrane was blocked 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. The predicted molecular weight for lamin A is 74 kDa and for lamin C 65 kDa. The absence of a band in LMNA null MAFs indicated that the antibody specifically recognizes products of LMNA gene.



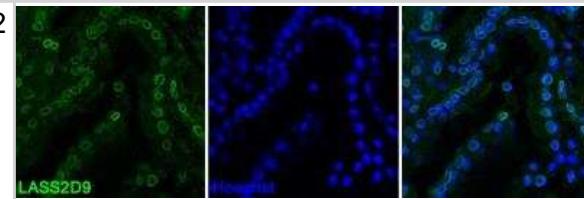
Immunocytochemistry/Immunofluorescence: Lamin A + C Antibody (LASS2D9) [NBP2-59937] - Staining of human (Hela) and mouse (C2C12) cell lines with LASS2D9 antibody. Confocal images of Hela and C2C12 cell fixed and stained with mouse monoclonal LASS2D9 antibody. The LASS2D9 antibody works on cells fixed with 4% PFA and cold methanol.



Immunocytochemistry/Immunofluorescence: Lamin A + C Antibody (LASS2D9) [NBP2-59937] - This antibody specifically detects lamin A and lamin C. (A) Wild-type mouse adult fibroblast (MAFs LMNA+/+) (upper panel) and LMNA-null MEFs (MAFs LMNA-/-) (lower panel) were methanol fixed and immunofluorescently stained with LASS2D9 mouse monoclonal antibody. (B) LMNA-null mouse adult fibroblast stably expressing mEos2-lamin A (upper panel) or mEos2-lamin C (lower panel) were fixed in cold methanol and stained with LASS2D9 antibody (magenta). Expression of the respective LMNA isoform is shown in green. The nuclei were counterstained with Hoechst. In LMNA-null MEFs there is a loss of LASS2D9 antibody staining signal. Rescue of LMNA-null cells with lamin A or lamin C expressing constructs restores the LASS2D9 antibody signal strongly suggesting that LASS2D9 specifically detects the products of LMNA gene.



Immunohistochemistry-Frozen: Lamin A + C Antibody (LASS2D9) [NBP2-59937] - Staining of mouse small intestine. Small intestine from adult C57BL/6 mice was transferred to OCT compound and frozen in liquid nitrogen. Tissue cryosections were fixed in 10% neutral buffered formalin, permeabilized and stained with anti-lamin A+C LASS2D9 antibody. The antibody also works on paraffin-embedded section.





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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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