

Product Datasheet

Lamin B Receptor Antibody (BB2SS3F3) - BSA Free NBP2-59947

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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NBP2-59947

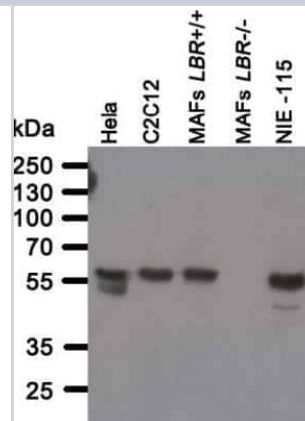
Lamin B Receptor Antibody (BB2SS3F3) - BSA Free

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	BB2SS3F3
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Lamin B Receptor Antibody (BB2SS3F3) - BSA Free (NBP2-59947) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Lamin B Receptor Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3930
Gene Symbol	LBR
Species	Human, Mouse
Specificity/Sensitivity	Specificity of human, mouse Lamin B Receptor antibody verified on a Protein Array containing target protein plus 383 other non-specific proteins.
Immunogen	GST fused to N-terminal fragment of human Lamin B Receptor (amino acids residues 1-211)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
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	ICC/IF: fixation with methanol fixation resulting in a brighter signal. Positive Control: C2C12, mouse fibroblast

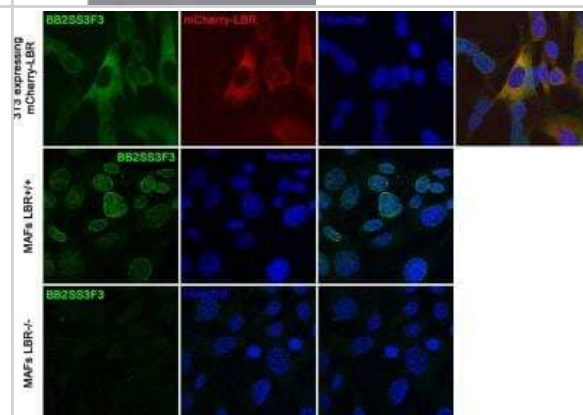


Images

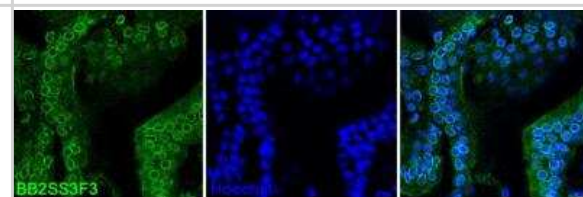
Western Blot: Lamin B Receptor Antibody (BB2SS3F3) [NBP2-59947] - Analysis of whole cell lysate from human (Hela) and mouse (C2C12, immortalized mouse adult fibroblasts (MAFs), NIE-115) cell lines were separated on SDS-PAGE gel, transferred to nitrocellulose membrane and blotted with BB2SS3F3 antibody. Both primary and secondary antibodies were diluted in blocking buffer (5% nonfat dry milk resuspended in 0.1% Tween and 1X PBS). The predicted molecular weight is 70.7kDa and 71.4kDa for human and mouse LBR respectively. The absence of a band in LBR null MAFs indicated that the antibody specifically recognizes LBR.



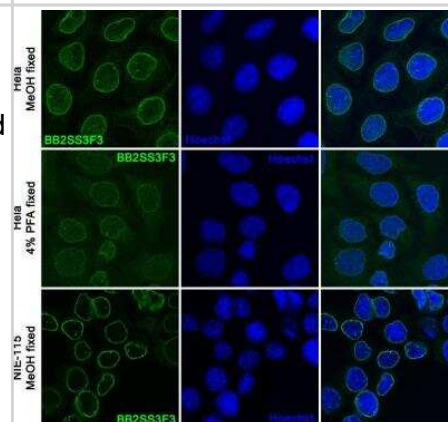
Immunocytochemistry/Immunofluorescence: Lamin B Receptor Antibody (BB2SS3F3) [NBP2-59947] - The antibody specifically detects LBR. Wild-type immortalized mouse adult fibroblast (MAFs LBR+/+) (upper panel) and LBR-null MEFs (MAFs LBR-/-) (lower panel) were methanol fixed and immunofluorescently stained with BB2SS3F3 mouse monoclonal antibody. In LBR-null MEFs there is a loss of BB2SS3F3 antibody staining signal indicating the LBR specific signal of the BB2SS3F3 antibody.



Immunohistochemistry-Frozen: Lamin B Receptor Antibody (BB2SS3F3) [NBP2-59947] - 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-LBR BB2SS3F3 antibody.



Immunocytochemistry/Immunofluorescence: Lamin B Receptor Antibody (BB2SS3F3) [NBP2-59947] - Confocal images of human (Hela) and mouse (NIE-115) cell lines immunofluorescently stained with BB2SS3F3 antibody. The BB2SS3F3 antibody works on cells fixed with 4% PFA and cold methanol with methanol fixation resulting in brighter signal of the antibody.



Publications

Stixova L, Komurkova D, Svobodova Kovarikova A Et Al. Localization of METTL16 at the Nuclear Periphery and the Nucleolus Is Cell Cycle-Specific and METTL16 Interacts with Several Nucleolar Proteins Life 2021-07-08 [PMID: 34357041] (ICC/IF)



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Products Related to NBP2-59947

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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