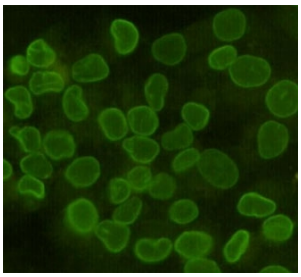
Lamin B1 Antibody / LMNB1 [clone 5G8-D3-H7] (F54037)

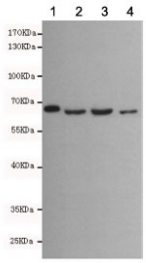
Catalog No.	Formulation	Size
F54037-0.1ML	In PBS with 50% glycerol and 0.03% ProClin 300	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Primate
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	5G8-D3-H7
Purity	Protein G affinity
UniProt	P20700
Applications	Western blot: 1:500 Immunocytochemistry/Immunofluorescence: 1:100
Limitations	This Lamin B1 antibody is available for research use only.



Lamin B1 Antibody HeLa Cell IF. Immunofluorescent staining of fixed human HeLa cells with Lamin B1 Antibody at 1:100 dilution. Cells were fixed with 4% paraformaldehyde prior to staining. Lamin B1 Antibody demonstrates nuclear envelope staining consistent with LMNB1 localization and supports studies of nuclear lamina structure, nuclear organization, chromatin regulation and cellular senescence pathways.



Lamin B1 Antibody Human, Mouse and Monkey WB. Western blot testing of monkey COS7, human MOLT-4, human A549 and mouse NIH3T3 cell lysates with Lamin B1 Antibody at 1:500 dilution. Lane 1: monkey COS7; Lane 2: human MOLT-4; Lane 3: human A549; Lane 4: mouse NIH3T3. A specific band was detected at approximately 66 kDa, consistent with the predicted molecular weight of LMNB1. Lamin B1 Antibody detects endogenous Lamin B1 expression and supports studies of nuclear lamina organization, nuclear envelope structure and chromatin-associated cellular regulation pathways.

Description

Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.

LMNB1 Antibody detects a nuclear lamina protein involved in nuclear envelope organization, chromatin structure and cellular senescence pathways; additional nuclear structure research tools are available on our Lamin B1 Antibody / Nuclear Envelope Marker Antibody page.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Lamin B1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A human recombinant protein was used as the immunogen for this Lamin B1 antibody.

Storage

Store the Lamin B1 antibody at -20oC.

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