

## Product datasheet for **BM6000P**

### Lamin A (LMNA) Mouse Monoclonal Antibody [Clone ID: 131C3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	131C3
Applications:	FC, IF, IHC, WB
Recommended Dilution:	<b>Immunoblotting:</b> 1/100-1/1000. <b>Flow Cytometry:</b> 1/100-1/200. <b>Immunocytochemistry.</b> <b>Immunohistochemistry on Frozen Sections:</b> 1/100-1/200 with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent.
Reactivity:	Bovine, Canine, Hamster, Human, Mouse, Rat, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Rat liver Lamins.
Specificity:	131C3 reacts with an epitope located between residues 319-566 in Lamin A and C. Immunoblotting of 131C3 recognizes Nuclear Lamins A and C in Human Fibroblasts.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lamin A/C
Database Link:	<a href="#">Entrez Gene 4000 Human P02545</a>



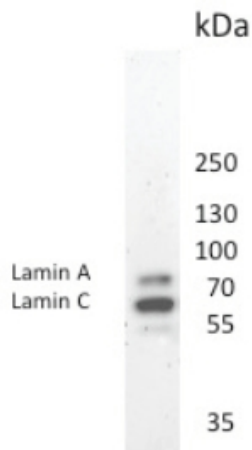
[View online »](#)

**Background:**

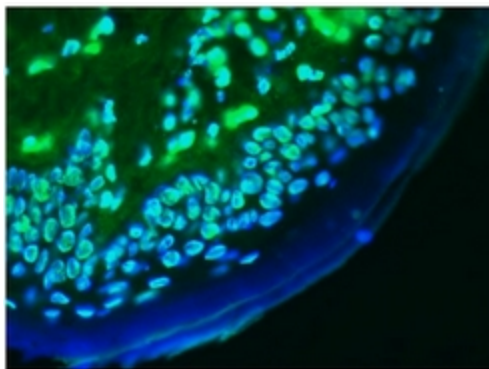
Nuclear lamins form a network of intermediate-type filaments at the nucleoplasmic site of the nuclear membrane. Two main subtypes of nuclear lamins can be distinguished, i.e. A-type lamins and B-type lamins. The A-type lamins comprise a set of three proteins arising from the same gene by alternative splicing, i.e. lamin A, lamin C and lamin A/C, while the B-type lamins include two proteins arising from two distinct genes, i.e. lamin B1 and lamin B2. Recent evidence has revealed that mutations in A-type lamins give rise to a range of rare but dominant genetic disorders, including Emery-Dreifuss muscular dystrophy, dilated cardiomyopathy with conduction-system disease and Dunnigan-type familial partial lipodystrophy. In addition, the expression of A-type lamins coincides with cell differentiation and as A-type lamins specifically interact with chromatin, a role in the regulation of differential gene expression has been suggested for A-type lamins.

**Synonyms:**

LMNA, LMN1, 70 kDa Lamin, NY-REN-32, NYREN32, Lamin-A/C, Lamin A, Lamin A + C, Nuclear Envelope Marker

**Product images:**


Immunoblotting of clone 131C3 recognizing Nuclear Lamins A and C in Human Fibroblasts: Percentage gel: 10%, Lysate: Human Fibroblasts 1st Antibody:, 2nd Antibody: Rabbit anti-Mouse HRP (1000 x diluted) Detection Kit: Supersignal West pico Chemiluminescent.



Immunohistochemistry on Frozen Tissue Section of Human colon showing nuclear lamina staining in epithelial and connective tissue cells.