

**Product Name: Lamin A/C Rabbit Monoclonal Antibody**  
**Catalog #: AMRe03062**



## Summary

<b>Production Name</b>	Lamin A/C Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-F,IHC-P,ICC/IF
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	LMNA
<b>Alternative Names</b>	LMNA; LMN1; Prelamin-A/C
<b>Gene ID</b>	4000
<b>SwissProt ID</b>	P02545

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
<b>Molecular Weight</b>	Calculated MW: 74 kDa; Observed MW: 74,63 kDa

## Background

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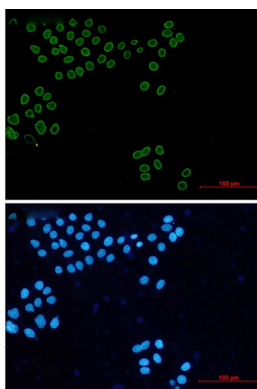
Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. Lamin A and C are present in equal amounts in the lamina of mammals. Play an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics.

Prelamin-A/C can accelerate smooth muscle cell senescence. It acts to disrupt mitosis and induce DNA damage in vascular smooth muscle cells (VSMCs), leading to mitotic failure, genomic instability, and premature senescence.

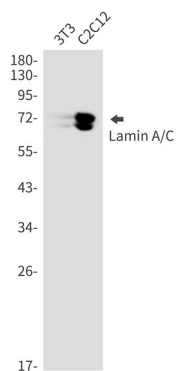
## Research Area

Tags & Cell Markers

## Image Data

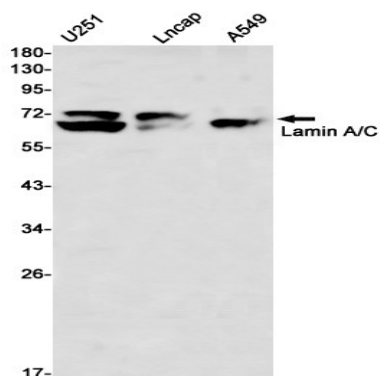


Immunocytochemistry analysis of Lamin A/C (green) in Hela using Lamin A/C antibody, and DAPI (blue).

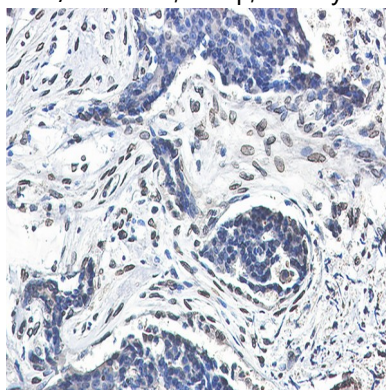


Western blot analysis of Lamin A/C in 3T3, C2C12 lysates using Lamin A/C antibody.

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Western blot analysis of Lamin A/C in U251, Lncap, A549 lysates using Lamin A/C antibody



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Lamin A/C antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.