

Product Name: Lamin A/C (5D12) Mouse Monoclonal Antibody**Catalog #: AMM03677**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 74 kDa; Observed MW: 63,74 kDa

Antigen Information

Gene Name	LMNA
Alternative Names	LMNA; LMN1; Prelamin-A/C
Gene ID	4000
SwissProt ID	P02545
Immunogen	A synthetic peptide of human Lamin A/C

Background

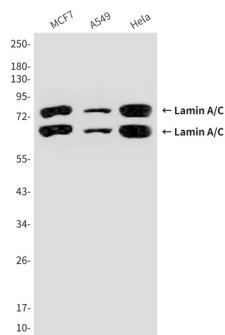
Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. Lamin A and C are present in

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.

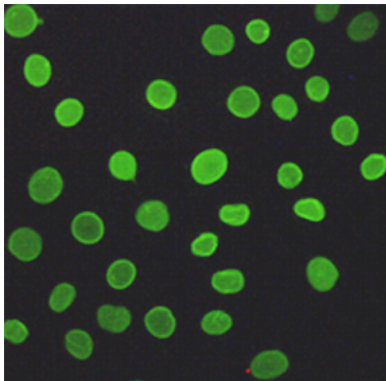
Research Area

Tags & Cell Markers

Image Data



Western blot analysis of Lamin A/C in MCF-7, A549 and HeLa lysates using Lamin A/C antibody.



Immunofluorescence analysis of Lamin A/C (5D12) in A549 using Lamin A/C antibody.