

Product Name: Lamin A/C Rabbit Monoclonal Antibody**Catalog #: AMRe85742**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.51mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 74 kDa; Observed MW: 74,63 kDa

Antigen Information

Gene Name	Lamin A/C
Alternative Names	LMNA; LMN1; Prelamin-A/C
Gene ID	4000.0
SwissProt ID	P02545
Immunogen	A synthetic peptide of human Lamin A/C

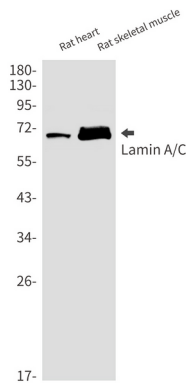
Background

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

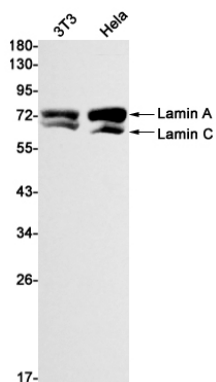
membrane and telomere dynamics. Prelamin-A/C can accelerate smooth muscle cell senescence. It acts to disrupt mitosis and induce DNA damage in vascular smooth muscle cells (VSMCs), leading to mitotic failure, genomic instability, and premature senescence.

Research Area

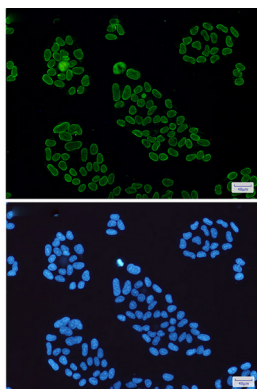
Image Data



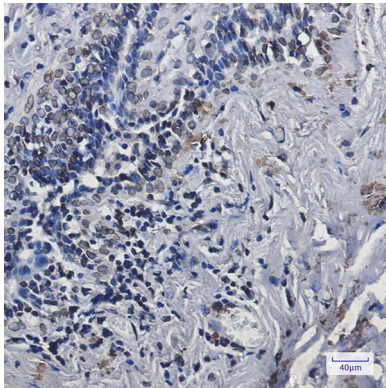
Western blot analysis of Lamin A/C in rat heart, rat skeletal muscle lysates using Lamin A/C antibody.



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



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



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.