

## Lamin A/C monoclonal antibody

Catalog: MB11154

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 74 kDa; Observed MW: 74,63 kDa

### Swiss-Prot:

P02545

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200  
IP: 1/20

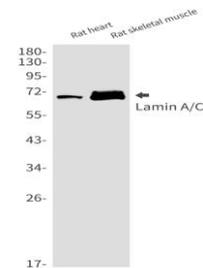
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

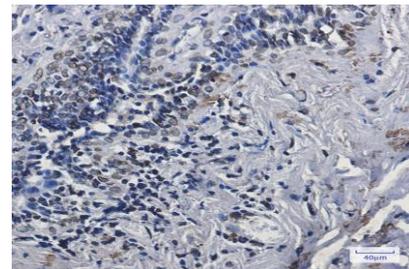
### Isotype:

IgG

### 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 in HeLa using Lamin A/C antibody, and DAPI

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, not for use in diagnostic procedure.

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