

## LAMIN A/C RABBIT MAB

**Cat.#:** N262455

**Product Name:** Anti-Lamin A/C Rabbit Monoclonal Antibody

**Synonyms:** LMNA; LMN1; Prelamin-A/C

**UNIPROT ID:** P02545

**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.

**Immunogen:** A synthetic peptide of human Lamin A/C

**Applications:** WB,IHC-F,IHC-P,ICC/IF,IP

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

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R06-7H5

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

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse,Rat

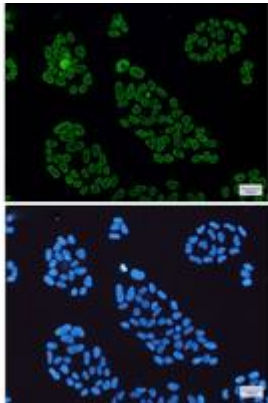
**Conjugation:** Unconjugated

**Modification:** Unmodified

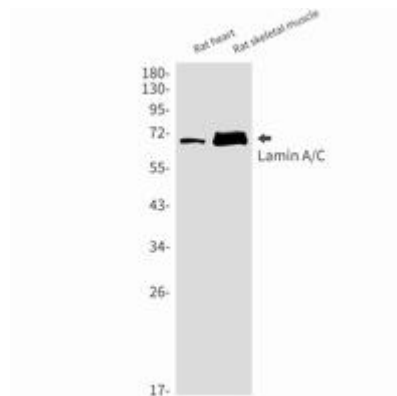
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** apoptosis - Caspase family

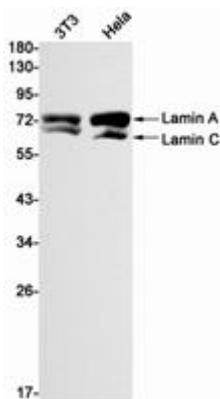
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



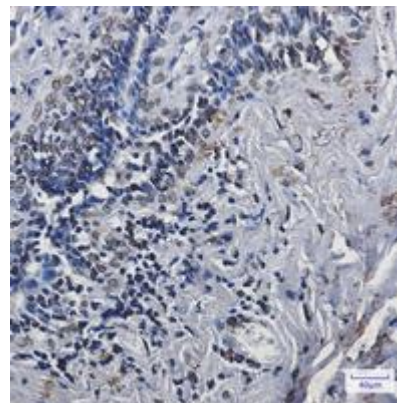
Immunocytochemistry analysis of Lamin A/C (green) in Hela using Lamin A/C antibody, and DAPI (blue)



Western blot analysis of Lamin A/C in 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.



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.