LAMIN A/C (5D12) MOUSE MAB

Cat.#: N261447

Product Name: Anti-Lamin A/C (5D12) Mouse 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: Purified recombinant human LMNA protein fragments expressed in E.coli.

Applications: WB,ICC/IF

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 5D12-C6-E9

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

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

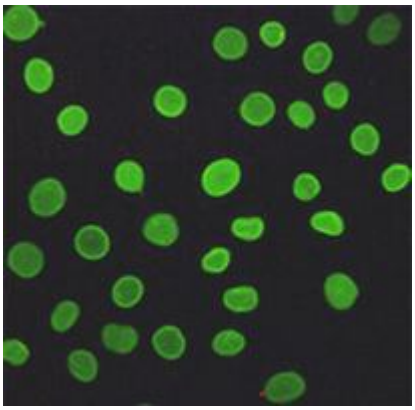
Conjugation: Unconjugated

Modification: Unmodified

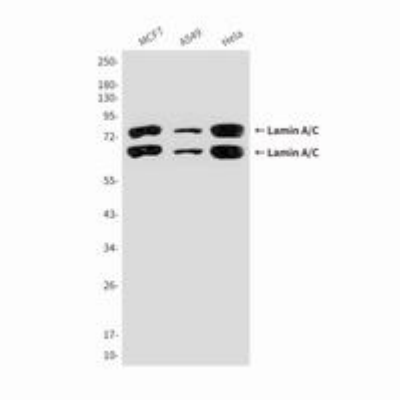
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Tags & Cell Markers

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



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



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