

**Lamin A/C (5D12) Mouse mAb**

db6351

**Package : 50µL 100µL****Product Name :** Lamin A/C (5D12) Mouse mAb**Cat.No.:** db6351**Synonyms :** LMNA; LMN1; Prelamin-A/C**Application :** WB, ICC/IF**Reactivity :** Human, Mouse, Rat**Host species :** Mouse**Background**

Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the innernuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact withchromatin. Lamin A and C are present in equal amounts in the lamina of mammals. Plays an important role innuclear assembly, chromatin organization, nuclear membrane and telomere dynamics. Required for normal developmentof peripheral nervous system and skeletal muscle and for muscle satellite cell proliferation. Required forosteoblastogenesis and bone formation. Also prevents fat infiltration of muscle and bone marrow, helping to maintain the volume and strength of skeletal muscle and bone 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 prematuresenescence.

**Immunogen**

Purified recombinant human LMNA protein fragments expressed in E.coli

**Gene ID**

4000

**Swiss Prot**

P02545

**Synonyms**

LMNA; LMN1; Prelamin-A/C

**Reactivity**

Human, Mouse, Rat

**Application**

WB, ICC/IF

**Recommended dilution**

WB: 1:500-1:1000

ICC/IF: 1:50-1:200

**Calculated MW**

74 kDa

**Observed MW**

63,74 kDa

**Host species**

Mouse

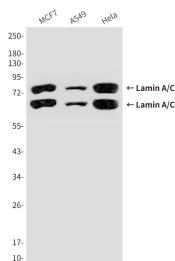
**Clonality**

Monoclonal

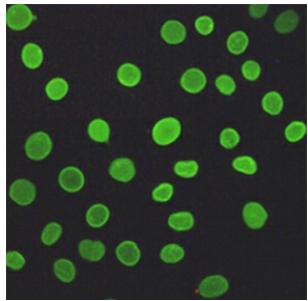
**Clonality No.**

5D12-C6-E9

<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



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.