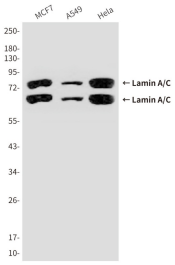
Lamin A/C (5D12) Mouse mAb

db6351 **Package：50μL 100μL**

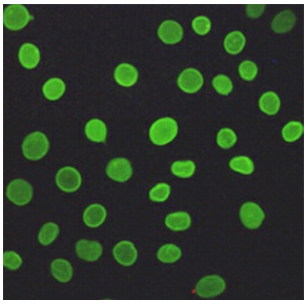
Product Name : Lamin A/C (5D12) Mouse mAb
Cat.No.: db6351
Synonyms : LMNA; LMN1; Prelamin-A/C
Application : WB, ICC/IF
Reactivity : Human, Mouse, Rat
Host species : Mouse

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 tomaintain 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

Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	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.