

Anti-Lamin A/C Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M013476

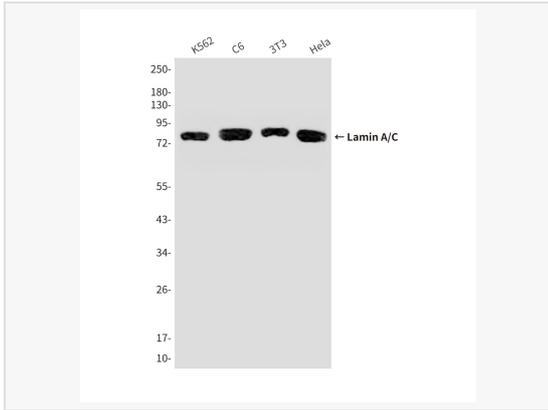
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse (Cell), Rat
Dilution	WB 1:500~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	50K77M13
Isotype	IgG2a
Label	Unconjugated
Immunogen	Purified recombinant human LMNA protein fragments expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Lamin A/C antibody [50K77M13] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	LMNA, LMN1, Prelamin-A/C.
Calculated MW	Calculated MW: 74 kDa; Observed MW: 74 kDa
Uniprot ID	P02545
Gene ID	4000
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.

Validation Images



Western blot analysis of Lamin A in K562, C6, 3T3 and HeLa lysates using Lamin A antibody.