

Product Name: KD-Validated Lamin A/C Mouse Monoclonal Antibody**Catalog #: KVA01449**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 74.1kDa

Antigen Information

Gene Name	LMNA
Alternative Names	LMNA; Lamin A/C; HGPS; MADA; LMN1; Mandibuloacral Dysplasia Type A; Lamin A/C-Like 1; Prelamin-A/C; Progerin; LGMD1B; CMD1A; LMNL1; PRO1; Limb Girdle Muscular Dystrophy 1B (Autosomal Dominant); Cardiomyopathy, Dilated 1A (Autosomal Dominant); Epididymis Secretory Sperm Binding Protein; Progeria 1 (Hutchinson-Gilford Type); Renal Carcinoma Antigen NY-REN-32; 70 KDa Lamin; Lamin C; CMT2B1; CDCD1; FPLD2; Lamin; CDDC; EMD2; FPLD; LDP1; LMNC; FPL; IDC; LFP
Gene ID	4000.0
SwissProt ID	P02545
Immunogen	Recombinant protein of human Lamin A/C

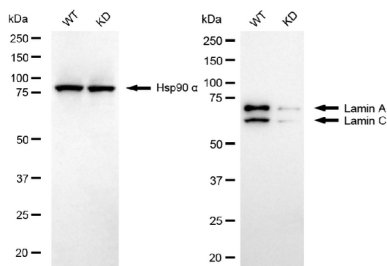
Background

The protein encoded by this gene is part of the nuclear lamina, a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome. [provided by RefSeq, May 2022]

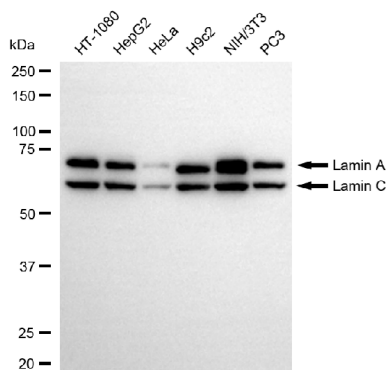
Research Area

Tags & Cell Markers, Signal Transduction

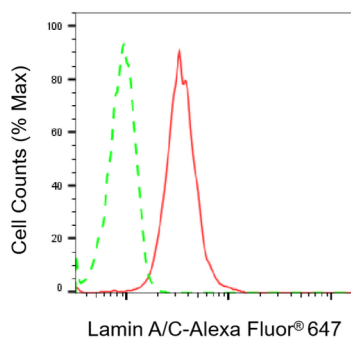
Image Data



Western blotting analysis using Lamin A/C antibody (KVA01449). Lamin A/C expression in wild type (WT) and LMNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Lamin A/C antibody (KVA01449, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using lamin A/C antibody (KVA01449). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with lamin A/C antibody (KVA01449, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Lamin A/C expression in HeLa cells using Lamin A/C antibody (KVA01449, 1:2,000). Green, isotype control; red, Lamin A/C.