

Rabbit Lamin A/C Monoclonal Antibody

[KO Validated] Lamin A/C Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28306	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

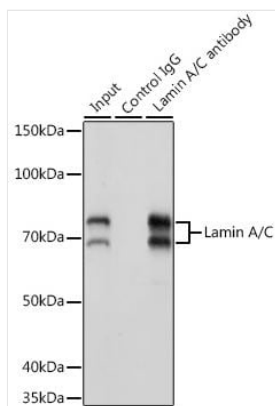
PRODUCT SYNONYMS

Lamin A/C; Monoclonal Antibody; [KO Validated] Lamin A/C Rabbit mAb; LMNA; CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; LMNL1; MADA; PRO1; lamin; anti-Lamin A/C antibody

PRODUCT SPECIFICATIONS

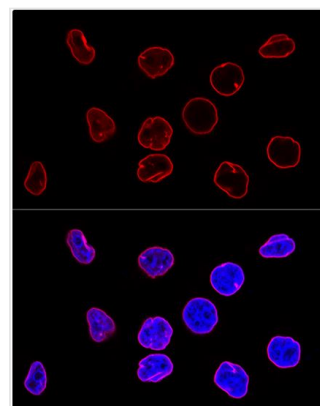
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Applicable Applications for anti-Lamin A/C antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB 1:50000 - 1:200000; IHC 1:50 - 1:200; IF 1:50 - 1:200; IP 1:50 - 1:200
Immunogen	Recombinant protein of human Lamin A/C.
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Positive Samples	K-562, A-549, NIH/3T3, Rat lung, HeLa, HeLa whole cell protein, HeLa cytoplasm protein, HeLa nuclear protein, NIH/3T3 whole cell protein, NIH/3T3 cytoplasm protein, NIH/3T3 nuclear protein, C6 whole cell protein, C6 cytoplasm protein, C6 nuclear protein
Cellular Location	Nucleus, Nucleus envelope, Nucleus lamina, Nucleus speckle, nucleoplasm
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



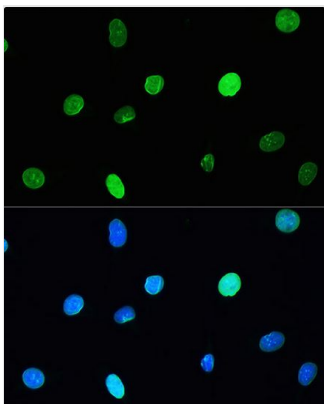
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of K-562 cells using 3ug Lamin A/C antibody. Western blot was performed from the immunoprecipitate using Lamin A/C antibody at a dilution of 1:20000.



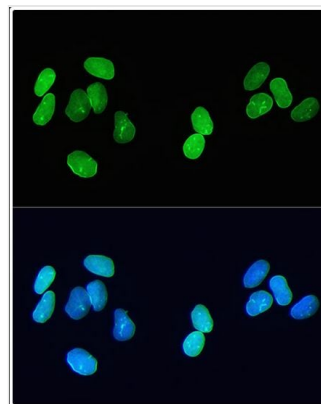
IF (Immunofluorescence)

Confocal immunofluorescence analysis of HeLa cells using Lamin A/C antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



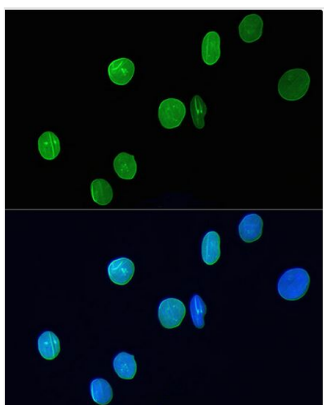
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using Lamin A/C antibody at dilution of 1:200.
Blue: DAPI for nuclear staining.



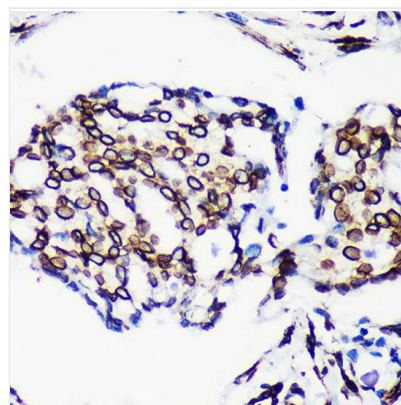
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Lamin A/C antibody at dilution of 1:200.
Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of H9C2 cells using Lamin A/C antibody at dilution of 1:200.
Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using Lamin A/C antibody at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-Lamin A/C antibody

The nuclear lamina consists of 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.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P02545
Molecular Weight	Calculated MW 62-74kDa; Observed MW 62kDa/74kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lamin-a-c-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/28306>