

Mouse anti-Human Lamin A/C Antibody

AbFlex Lamin A/C antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60268	Mouse	Human	Western Blot, Immunofluorescence

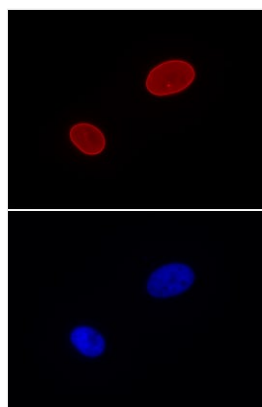
PRODUCT SYNONYMS

Lamin A/C; AbFlex Lamin A/C antibody (rAb); LMNA; FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B; anti-Lamin A/C antibody

PRODUCT SPECIFICATIONS

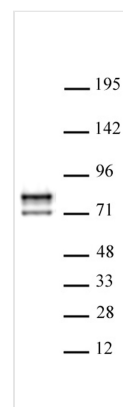
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in 140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-Lamin A/C antibody	WB (Western Blot), IF (Immunofluorescence)
Antibody Type	Recombinant Antibody
Immunogen	This Lamin A/C antibody was raised against a recombinant protein corresponding to amino acids 430-545 of human Lamin A.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



IF (Immunofluorescence)

AbFlex Lamin A/C antibody (rAb) tested by Immunofluorescence HeLa cells were stained with 2 ug/ml Lamin A/C antibody (upper panel) or DAPI (lower panel).



WB (Western Blot)

AbFlex Lamin A/C antibody (rAb) tested by Western blot. 10 ug of HeLa cell extract was probed with 1 ug/ml AbFlex Lamin A/C antibody. MW: 80 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Lamin A/C antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex Lamin A/C antibody (rAb) was raised in a Mouse host. It has been validated for use in Immunofluorescence and Western blot; it has been shown to react with Human samples. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex Lamin A/C antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. Nuclear lamins are intermediate filament proteins that are the major structural component of the nuclear lamina on the inner surface of the nuclear envelope. Lamins A and Lamins C are splice variants of the Lamin A gene. Lamin A/C (CDCD1, LMN1, EMD2) expression is a hallmark of embryonic stem cell differentiation. In addition to adding structural integrity to the nucleus, lamins contribute to the makeup of the nuclear matrix. Lamins also help organize interphase chromatin through interactions with several chromatin proteins, including histones and Lap2, such that alteration in lamin organization results in disruption of DNA replication, transcription and RNA processing.
Product Categories/Family for anti-Lamin A/C antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	80kDa
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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/mouse-human-antibody/lamin-a-c/60268>