

Product Data Sheet: Lamin A/C

Cat. No: AB-90019

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rb

Isotype: IgG

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids

403-572 of human Lamin C.

Reactivity: Human, Mouse, Rat

Western Blot: 1:500 - 1:2000

Applications: Immunohistochemistry: 1:50 – 1:200

Immunofluorescence: 1:50 – 1:200

ChIP: 1:20 - 1:100

Molecular Weight: 63KDa **Purification:** Aff. Pur.

Synonyms: LMNA; CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPLD; FPLD2; HGPS; IDC;

LDP1; LFP; LGMD1B; ;LMN1;LMNC;LMNL1;MADA;PRO1;lamin;Lamin A/C

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

Background:are thought to be involved in nuclear stability, chromatin structure and gene

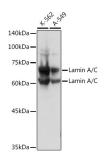
expression. Vertebrate lamins consist of two types, A and B. Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease,

and Hutchinson-Gilford progeria syndrome.

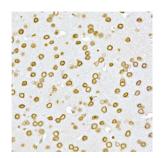
Form: Liquid

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3

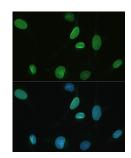
Storage: Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using Lamin A/C Rabbit pAb at 1:3000 dilution.



Immunohistochemistry of paraffin embedded mouse brain using [KO Validated] Lamin A/C Rabbit pAb at



Immunofluorescence analysis of U2OS using Lamin A/C antibody at dilution of 1:100. Blue: DAPI for nuclear



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Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL West Pico Plus. Exposure time: 1s. dilution of 1:50 (40x ns). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol. staining.

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