

## Rabbit Lamin A/C Polyclonal Antibody | anti-LaminA/C antibody

[KO Validated] Lamin A/C Rabbit pAb

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA28349  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence |

### PRODUCT SYNONYMS

Lamin A/C; Polyclonal Antibody; [KO Validated] Lamin A/C Rabbit pAb; LMNA; CDCC1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; LMNL1; MADA; PRO1; lamin; anti-LaminA/C antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                  |
| Reactivity                                         | Human, Mouse, Rat                                                       |
| Clonality                                          | Polyclonal                                                              |
| Isotype                                            | IgG                                                                     |
| Purity/Purification                                | Affinity purification                                                   |
| Form/Format                                        | PBS with 0.05% proclin300,50% glycerol,pH7.3.                           |
| Applicable Applications for anti-LaminA/C antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)  |
| Application Notes                                  | WB: 1:200-1:1000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200                   |
| Immunogen                                          | A synthetic peptide of human Lamin A/C                                  |
| Cellular Location                                  | Nucleus, Nucleus envelope, Nucleus lamina, Nucleus speckle, nucleoplasm |
| Positive Samples                                   | HeLa, K-562, A-549                                                      |
| Preparation and Storage                            | Store at -20 degree C. Avoid freeze/thaw cycles.                        |

### IMAGES



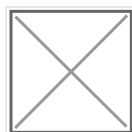
#### IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug 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 1:1000.



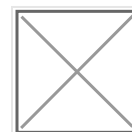
#### IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using Lamin A/C antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using Lamin A/C antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

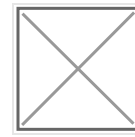


#### IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Lamin A/C antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

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

**ADDITIONAL INFORMATION**

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-LaminA/C antibody</b> | Background: 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. |
| <b>Product Categories/Family for anti-LaminA/C antibody</b>   | <a href="#">Protein phosphorylation</a> ; <a href="#">Research</a> ; <a href="#">Cell Biology &amp; Developmental Biology</a> ; <a href="#">Cytoskeleton</a> ; <a href="#">Intermediate Filaments</a> ; <a href="#">Research</a> ; <a href="#">Cell Biology &amp; Developmental Biology</a> ; <a href="#">Protein folding</a> ; <a href="#">Research</a> ; <a href="#">Cell Biology &amp; Developmental Biology</a> ; <a href="#">Death Receptor Signaling Pathwa</a>                                                                                                                                                                                                                                                                                                                                |

**NCBI AND UNIPROT INFORMATION**

|                                         |                                                                                                                                                                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 383792150                                                                                                                                                                                                                      |
| <b>NCBI GeneID</b>                      | 4000                                                                                                                                                                                                                           |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001244303.1</a>                                                                                                                                                                                                 |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001257374.1</a>                                                                                                                                                                                                 |
| <b>UniProt Accession #</b>              | <a href="#">P02545</a> ; <a href="#">P02546</a> ; <a href="#">Q5TCJ2</a> ; <a href="#">Q5TCJ3</a> ; <a href="#">Q969I8</a> ; <a href="#">Q96JA2</a> ; <a href="#">B4DI32</a> ; <a href="#">D3DVB0</a> ; <a href="#">E7EUI9</a> |
| <b>Molecular Weight</b>                 | 74,65kDa                                                                                                                                                                                                                       |
| <b>NCBI Official Full Name</b>          | lamin isoform D                                                                                                                                                                                                                |
| <b>NCBI Official Synonym Full Names</b> | lamin A/C                                                                                                                                                                                                                      |
| <b>NCBI Official Symbol</b>             | LMNA                                                                                                                                                                                                                           |
| <b>NCBI Official Synonym Symbols</b>    | FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B                                                                                                                      |
| <b>NCBI Protein Information</b>         | lamin; 70 kDa lamin; prelamin-A/C; lamin A/C-like 1; renal carcinoma antigen NY-REN-32                                                                                                                                         |
| <b>UniProt Protein Name</b>             | Prelamin-A/C                                                                                                                                                                                                                   |
| <b>UniProt Gene Name</b>                | <b>LMNA</b>                                                                                                                                                                                                                    |
| <b>UniProt Synonym Gene Names</b>       | LMN1                                                                                                                                                                                                                           |
| <b>UniProt Entry Name</b>               | LMNA_HUMAN                                                                                                                                                                                                                     |

**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/polyclonal/lamin-a-c-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28349>