# Mouse LMNB1 Monoclonal Antibody | anti-LMNB1 antibody

LMNB1 (Lamin B1, ADLD, LMN, LMN2, LMNB, MGC111419) (Biotin)

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA26270** | **Mouse** | **Immunofluorescence, Immunoprecipitation, Western Blot** |

## PRODUCT SYNONYMS

LMNB1; Monoclonal Antibody; LMNB1 (Lamin B1; ADLD; LMN; LMN2; LMNB; MGC111419) (Biotin); Lamin B1; MGC111419; anti-LMNB1 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 4B10 |
| **Specificity** | Recognizes LMNB1. |
| **Purity/Purification** | Purified |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin. |
| **Applicable Applications for anti-LMNB1 antibody** | IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot) |
| **Application Notes** | Applications are based on unconjugated antibody. |
| **Immunogen** | LMNB1 (NP_005564.1, 107aa-186aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Conjugate** | Biotin |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescence of monoclonal antibody to LMNB1 on HeLa cell. [antibody concentration 10 ug/ml]

**IP (Immunoprecipitation)**
Immunoprecipitation of LMNB1 transfected lysate using anti-LMNB1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with LMNB1 MaxPab rabbit polyclonal antibody.

**WB (Western Blot)**
Western Blot analysis of LMNB1 expression in transfected 293T cell line by LMNB1 monoclonal antibody (M01), clone 4B10.Lane 1: LMNB1 transfected lysate (66.4 KDa).Lane 2: Non-transfected lysate.

**WB (Western Blot)**
LMNB1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of LMNB1 expression in Raw 264.7.

**WB (Western Blot)**
LMNB1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of LMNB1 expression in NIH/3T3.

**WB (Western Blot)**
LMNB1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of LMNB1 expression in Jurkat (Cat # L017V1).

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-LMNB1 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. This gene encodes one of the two B type proteins, B1. [provided by RefSeq] |
| **Product Categories/Family for anti-LMNB1 antibody** | Antibodies; Lamin; Laminin |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 5031877 |
| **NCBI GeneID** | 4001 |
| **NCBI Accession #** | NP_005564.1 |
| **NCBI GenBank Nucleotide #** | NM_005573.3 |
| **UniProt Accession #** | P20700; Q3SYN7; Q96EI6; B2R6J6 |
| **Molecular Weight** | 66,408 Da |
| **NCBI Official Full Name** | lamin-B1 isoform 1 |
| **NCBI Official Synonym Full Names** | lamin B1 |
| **NCBI Official Symbol** | LMNB1 |
| **NCBI Official Synonym Symbols** | LMN; ADLD; LMN2; LMNB |
| **NCBI Protein Information** | lamin-B1 |
| **UniProt Protein Name** | Lamin-B1 |
| **UniProt Gene Name** | **LMNB1** |
| **UniProt Synonym Gene Names** | LMN2; LMNB |
| **UniProt Entry Name** | LMNB1_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/monoclonal/lmnb1-antibody-clone-4b10-immunofluorescence-immunoprecipitation-western-blot-elisa/26270