

# Lamin B2 Rabbit mAb

Catalog # AP75663

## Product Information

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|--------------------------|--------------------------|
| <b>Application</b>       | WB, IHC-P, IHC-F, FC, IP |
| <b>Primary Accession</b> | <a href="#">Q03252</a>   |
| <b>Reactivity</b>        | Rat, Human, Mouse        |
| <b>Host</b>              | Rabbit                   |
| <b>Clonality</b>         | Monoclonal Antibody      |
| <b>Isotype</b>           | IgG                      |
| <b>Conjugate</b>         | Unconjugated             |
| <b>Purification</b>      | Affinity Purified        |
| <b>Calculated MW</b>     | 69948                    |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 84823                                                                                           |
| <b>Other Names</b> | LMNB2                                                                                           |
| <b>Dilution</b>    | WB~~1:500-1:1000 IHC-P~~N/A IHC-F~~N/A FC~~1:20 IP~~1:10-1:100                                  |
| <b>Format</b>      | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.        |

## Protein Information

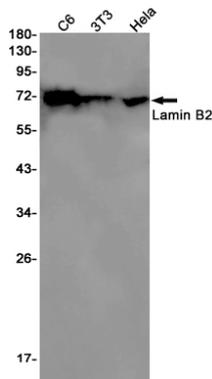
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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | LMNB2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>          | LMN2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Function</b>          | Lamins are intermediate filament proteins that assemble into a filamentous meshwork, and which constitute the major components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane (PubMed: <a href="#">33033404</a> ). Lamins provide a framework for the nuclear envelope, bridging the nuclear envelope and chromatin, thereby playing an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics (PubMed: <a href="#">33033404</a> ). The structural integrity of the lamina is strictly controlled by the cell cycle, as seen by the disintegration and formation of the nuclear envelope in prophase and telophase, respectively (PubMed: <a href="#">33033404</a> ). |
| <b>Cellular Location</b> | Nucleus lamina.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

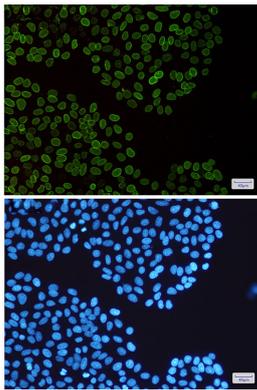
## Background

This gene encodes a B type nuclear lamin. 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. Mutations in this gene are associated with acquired partial lipodystrophy.

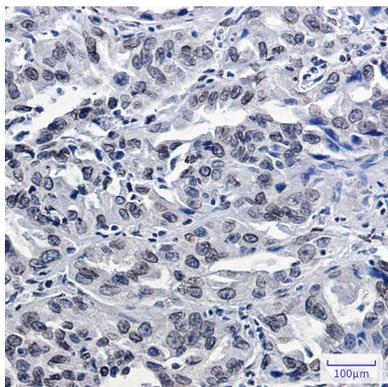
## Images



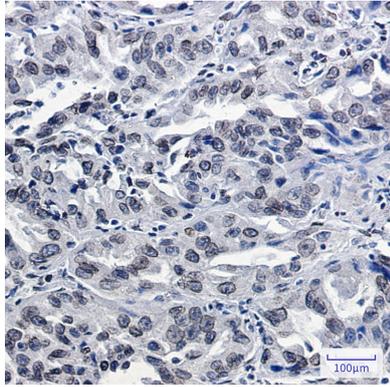
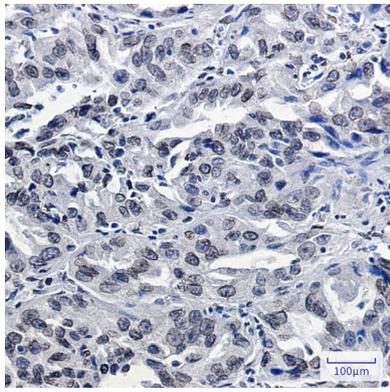
Western blot analysis of Lamin B2 in C6, 3T3, HeLa lysates using Lamin B2 antibody.



Immunocytochemistry analysis of Lamin B2(green) in HeLa using Lamin B2 antibody, and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Lamin B2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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