

Lamin B2 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6737b

Specification

Lamin B2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q03252
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	476-504

Lamin B2 Antibody (C-term) - Additional Information

Gene ID 84823

Other Names

Lamin-B2, LMNB2, LMN2

Target/Specificity

This Lamin B2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 476-504 amino acids from the C-terminal region of human Lamin B2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Lamin B2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Lamin B2 Antibody (C-term) - Protein Information

Name LMNB2

Synonyms LMN2

Function 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:[33033404](#)). 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:[33033404](#)). 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:[33033404](#)).

Cellular Location

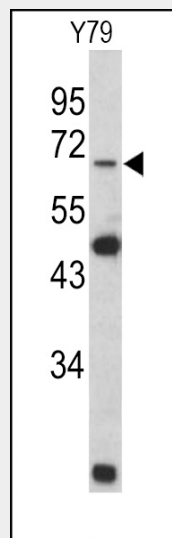
Nucleus lamina.

Lamin B2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lamin B2 Antibody (C-term) - Images



Western blot analysis of Lamin B2 Antibody (C-term) (Cat. #AP6737b) in Y79 cell line lysates (35ug/lane). Lamin B2 (arrow) was detected using the purified Pab.

Lamin B2 Antibody (C-term) - 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. Lamin B2 is one of the two B type proteins, B2.

Lamin B2 Antibody (C-term) - References

Schumacher,J., FEBS Lett. 580 (26), 6211-6216 (2006)

Lamin B2 Antibody (C-term) - Citations

- [Concentration-dependent Effects of Nuclear Lamins on Nuclear Size in Xenopus and Mammalian Cells.](#)