

LMNB1 / Lamin B1 Antibody (clone 4E4)
Mouse Monoclonal Antibody
Catalog # ALS14352**Specification**

LMNB1 / Lamin B1 Antibody (clone 4E4) - Product Information

Application	WB, IHC
Primary Accession	P20700
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	66kDa KDa

LMNB1 / Lamin B1 Antibody (clone 4E4) - Additional Information**Gene ID** 4001**Other Names**

Lamin-B1, LMNB1, LMN2, LMNB

Target/Specificity

Human Lamin B1

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

LMNB1 / Lamin B1 Antibody (clone 4E4) is for research use only and not for use in diagnostic or therapeutic procedures.

LMNB1 / Lamin B1 Antibody (clone 4E4) - Protein Information**Name** LMNB1**Synonyms** LMN2, LMNB**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:<[a href="http://www.uniprot.org/citations/28716252" target="_blank">28716252](http://www.uniprot.org/citations/28716252), PubMed:<[a href="http://www.uniprot.org/citations/32910914" target="_blank">32910914](http://www.uniprot.org/citations/32910914)). 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="http://www.uniprot.org/citations/28716252" target="_blank">28716252](http://www.uniprot.org/citations/28716252), PubMed:<[a href="http://www.uniprot.org/citations/32910914" target="_blank">32910914](http://www.uniprot.org/citations/32910914)). 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:28716252,
PubMed:32910914).

Cellular Location

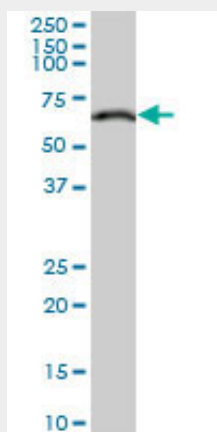
Nucleus lamina

LMNB1 / Lamin B1 Antibody (clone 4E4) - Protocols

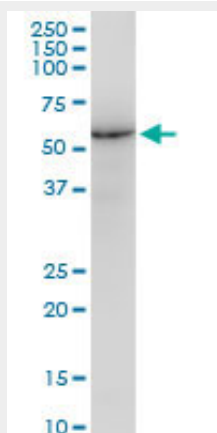
Provided below are standard protocols that you may find useful for product applications.

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

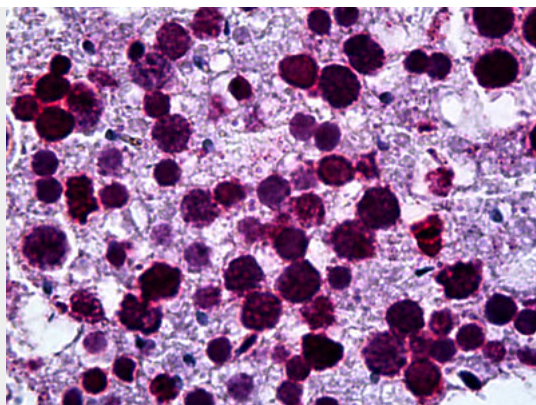
LMNB1 / Lamin B1 Antibody (clone 4E4) - Images



LMNB1 monoclonal antibody, clone 4E4. Western blot of LMNB1 expression in Jurkat.



LMNB1 monoclonal antibody, clone 4E4. Western blot of LMNB1 expression in NIH/3T3.



Anti-LMN B1 / Lamin B1 antibody IHC of human testis.

LMNB1 / Lamin B1 Antibody (clone 4E4) - Background

Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.

LMNB1 / Lamin B1 Antibody (clone 4E4) - References

Pollard K.M., et al. Mol. Cell. Biol. 10:2164-2175(1990).
Lin F., et al. Genomics 27:230-236(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V., et al. Submitted (DEC-2008) to UniProtKB.