

LMNB1 / Lamin B1 Antibody (aa526-537)
Goat Polyclonal Antibody
Catalog # ALS16291

Specification

LMNB1 / Lamin B1 Antibody (aa526-537) - Product Information

Application	WB, IHC
Primary Accession	P20700
Reactivity	Human, Rabbit, Hamster, Pig, Horse, Xenopus, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	66kDa KDa

LMNB1 / Lamin B1 Antibody (aa526-537) - Additional Information

Gene ID 4001

Other Names

Lamin-B1, LMNB1, LMN2, LMNB

Target/Specificity

Human LMNB1 / Lamin B1. This antibody is expected to recognize both reported isoforms (NP_005564.1; NP_001185486.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

LMNB1 / Lamin B1 Antibody (aa526-537) is for research use only and not for use in diagnostic or therapeutic procedures.

LMNB1 / Lamin B1 Antibody (aa526-537) - 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: [28716252](http://www.uniprot.org/citations/28716252), PubMed: [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: [28716252](http://www.uniprot.org/citations/28716252), PubMed: [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 (aa526-537) - Protocols

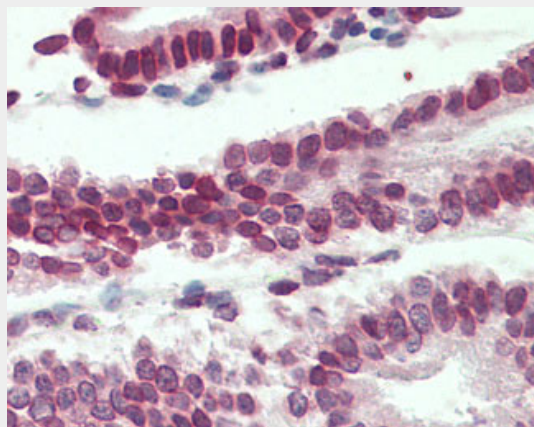
Provided below are standard protocols that you may find useful for product applications.

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

LMNB1 / Lamin B1 Antibody (aa526-537) - Images



LMNB1 antibody (1 ug/ml) staining of nuclear HeLa lysate (35 ug protein in RIPA buffer).



Anti-LMNB1 / Lamin B1 antibody IHC staining of human uterus.

LMNB1 / Lamin B1 Antibody (aa526-537) - 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 (aa526-537) - 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.