

LMNB1 / Lamin B1 Antibody (clone 119D5-F1)
Mouse Monoclonal Antibody
Catalog # ALS15999**Specification**

LMNB1 / Lamin B1 Antibody (clone 119D5-F1) - Product Information

Application	IF, IHC
Primary Accession	P20700
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Sheep, Bovine, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	66kDa KDa

LMNB1 / Lamin B1 Antibody (clone 119D5-F1) - Additional Information**Gene ID** 4001**Other Names**

Lamin-B1, LMNB1, LMN2, LMNB

Target/Specificity

Reacts with an epitope located C-terminal of residue 231 in lamin B1.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

LMNB1 / Lamin B1 Antibody (clone 119D5-F1) is for research use only and not for use in diagnostic or therapeutic procedures.

LMNB1 / Lamin B1 Antibody (clone 119D5-F1) - 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

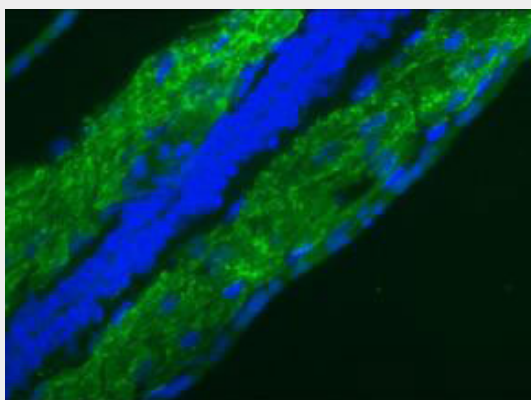
Volume

50 µl

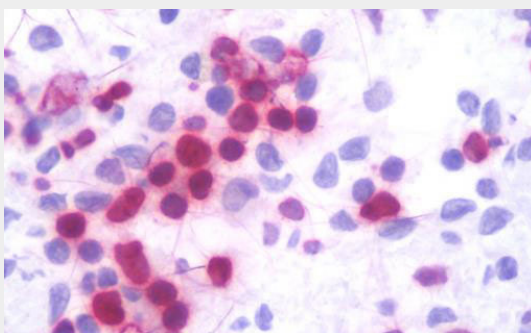
LMNB1 / Lamin B1 Antibody (clone 119D5-F1) - Protocols

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 119D5-F1) - Images

Immunofluorescence staining of a 9 days old zebrafish embryo



IHC with Lamin B1 antibody on frozen human spleen.

LMNB1 / Lamin B1 Antibody (clone 119D5-F1) - 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 119D5-F1) - 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.