

Lamin B2 Antibody (clone LN43)
Mouse Monoclonal Antibody
Catalog # ALS15996**Specification**

Lamin B2 Antibody (clone LN43) - Product Information

Application	IF, IHC
Primary Accession	Q03252
Reactivity	Human, Mouse, Zebrafish, Hamster, Pig, Xenopus
Host	Mouse
Clonality	Monoclonal
Calculated MW	68kDa KDa

Lamin B2 Antibody (clone LN43) - Additional Information**Gene ID** 84823**Other Names**

Lamin-B2, LMNB2, LMN2

Target/Specificity

Reacts with an epitope located in the C-terminal part of lamin B2.

Reconstitution & Storage

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

Precautions

Lamin B2 Antibody (clone LN43) is for research use only and not for use in diagnostic or therapeutic procedures.

Lamin B2 Antibody (clone LN43) - 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).

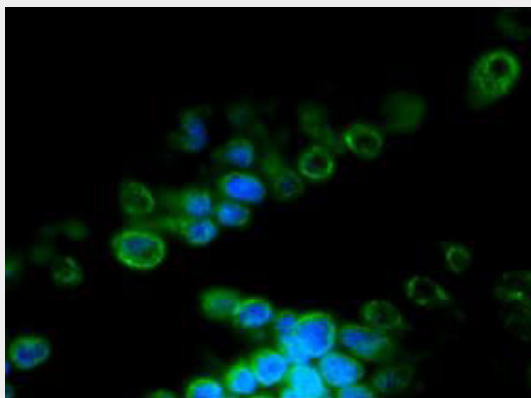
Cellular Location

Nucleus lamina.

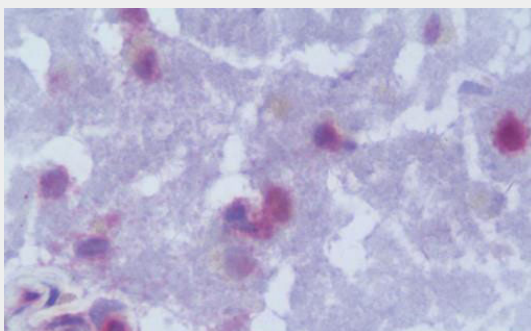
Lamin B2 Antibody (clone LN43) - Protocols

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 (clone LN43) - Images

Immunofluorescence staining of a 9 days old zebrafish embryo



IHC with Lamin B2 antibody on frozen human brain.

Lamin B2 Antibody (clone LN43) - 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.

Lamin B2 Antibody (clone LN43) - References

Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Grimwood J.,et al.Nature 428:529-535(2004).
Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.
Biamonti G.,et al.Mol. Cell. Biol. 12:3499-3506(1992).
Olsen J.V.,et al.Cell 127:635-648(2006).