

## Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody Catalog # ABO13908

### Specification

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#### Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	<a href="#">P20700</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 4001

#### Other Names

Lamin-B1, LMNB1, LMN2, LMNB

#### Calculated MW

66408 MW KDa

#### Application Details

WB 1:3000-1:10000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50

#### Subcellular Localization

Nucleus inner membrane; Lipid-anchor; Nucleoplasmic side.

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Lamin B1

#### Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

#### Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - 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</a>, PubMed:<a href="http://www.uniprot.org/citations/32910914" target="\_blank">32910914</a>). 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</a>, PubMed:<a href="http://www.uniprot.org/citations/32910914" target="\_blank">32910914</a>). 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:<a href="http://www.uniprot.org/citations/28716252" target="\_blank">28716252</a>, PubMed:<a href="http://www.uniprot.org/citations/32910914" target="\_blank">32910914</a>).

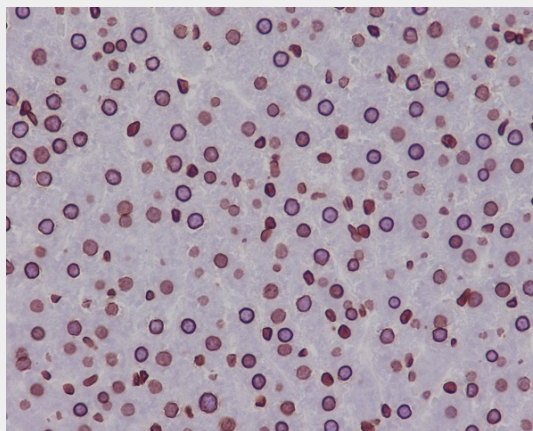
**Cellular Location**

Nucleus lamina

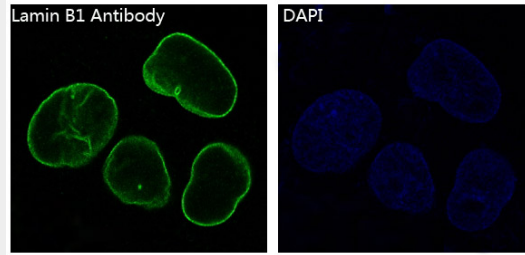
**Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - Protocols**

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

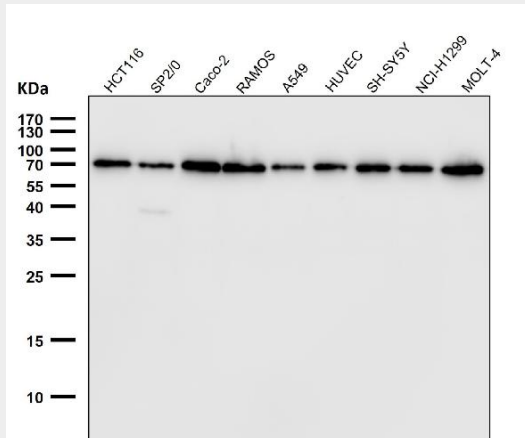
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - Images**

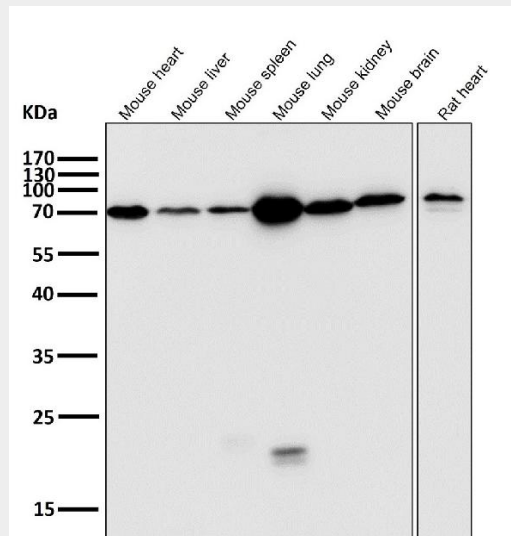
Immunohistochemical analysis of paraffin-embedded rat liver, using Lamin B1 Antibody.



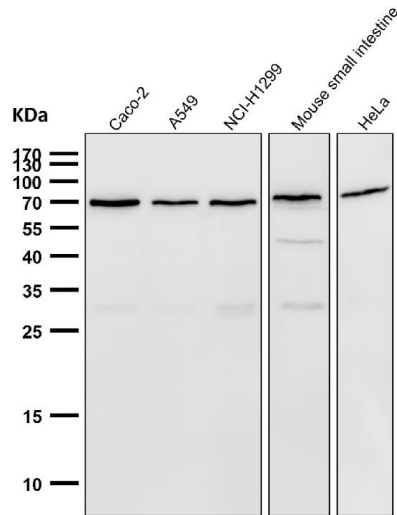
Immunofluorescent analysis of HepG2 cells, using Lamin B1 Antibody.



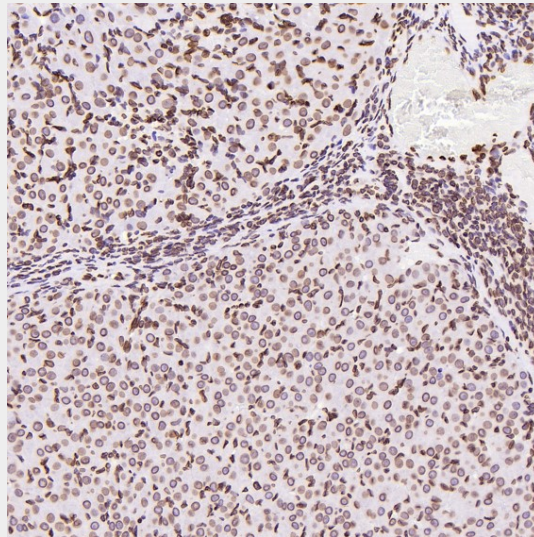
All lanes use Lamin B1 Antibody at 1:10000 dilution for 1 hour at room temperature.



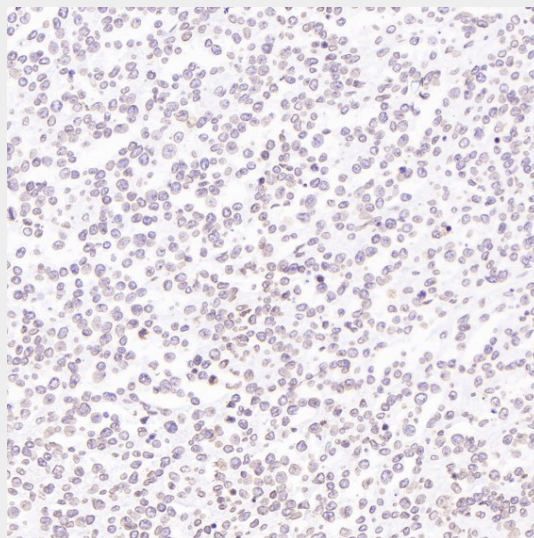
All lanes use Lamin B1 Antibody at 1:20000 dilution for 1 hour at room temperature.



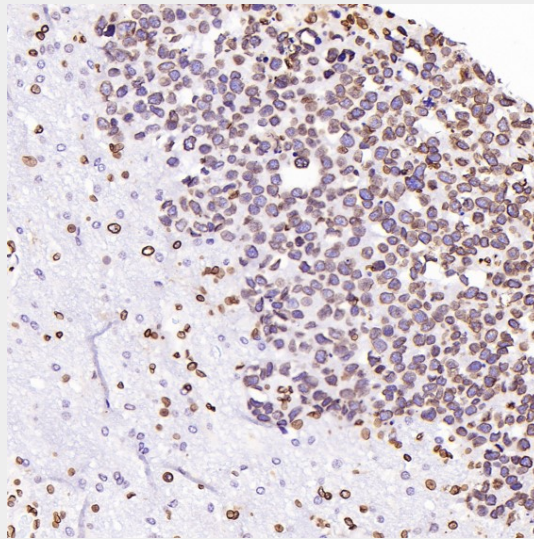
All lanes use Lamin B1 Antibody at 1:10000 dilution for 1 hour at room temperature.



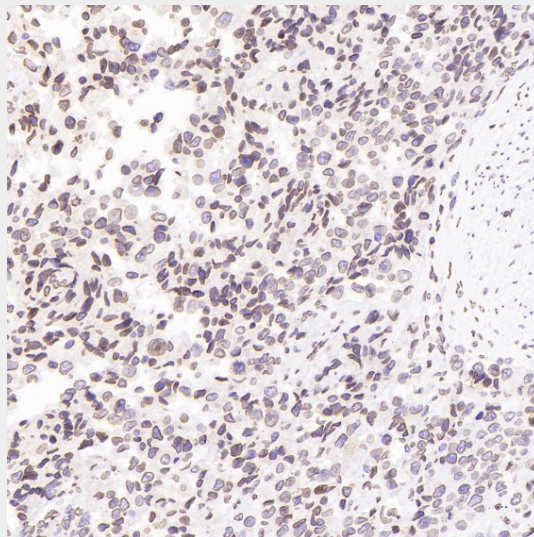
Immunohistochemical analysis of paraffin-embedded Rat ovary, using the Antibody at 1:200 dilution.



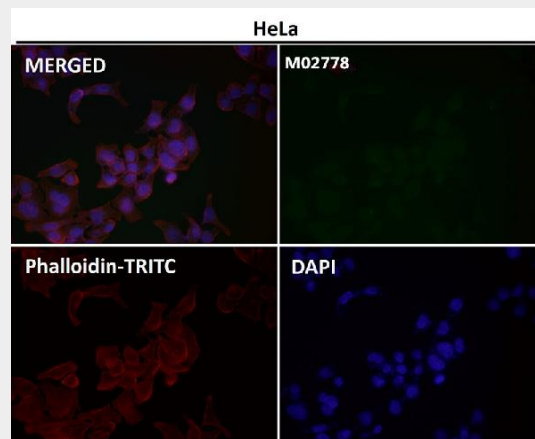
Immunohistochemical analysis of paraffin-embedded Human non-Hodgkin's lymphoma, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human glioblastoma, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:100 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.