10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody

Catalog # ABO13908

Specification

Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC, IP**
Primary Accession	P20700
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
IHC 1:50-1:200
ICC/IF 1:50-1:200
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:28716252, PubMed: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, PubMed: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).

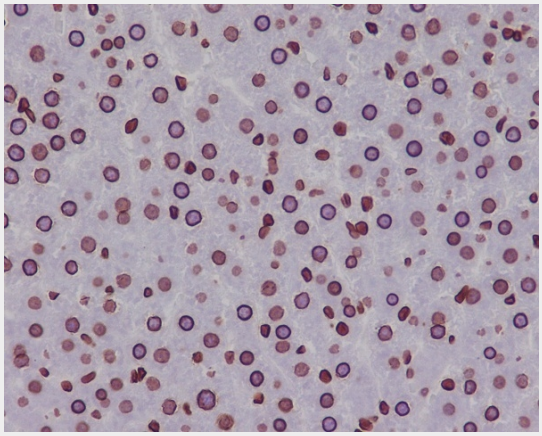
Cellular Location
Nucleus lamina

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 Cytomety
- Cell Culture

Anti-Lamin B1 LMNB1 Rabbit Monoclonal Antibody - Images



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

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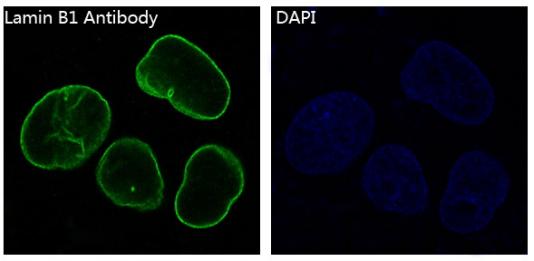
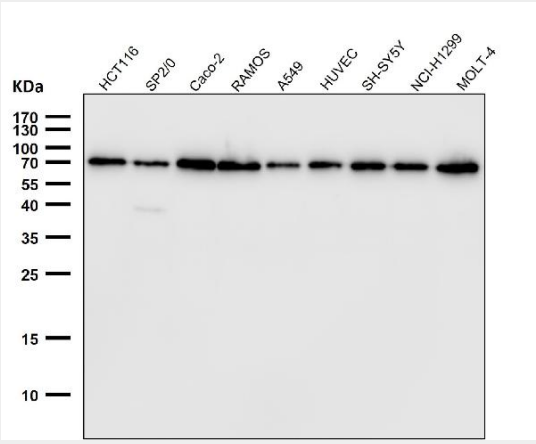
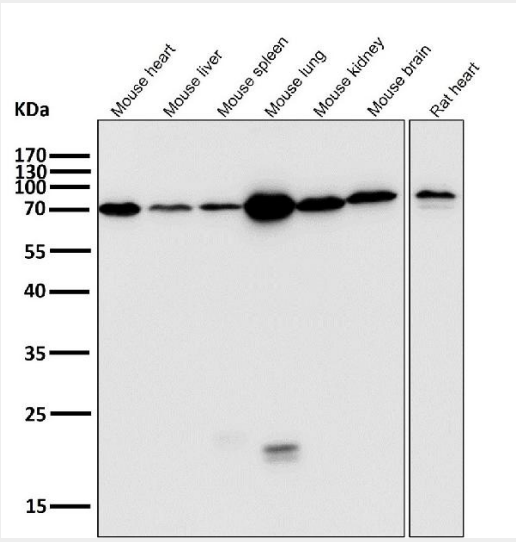


Immunofluorescent analysis of HepG2 cells, using Lamin B1 Antibody.



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.

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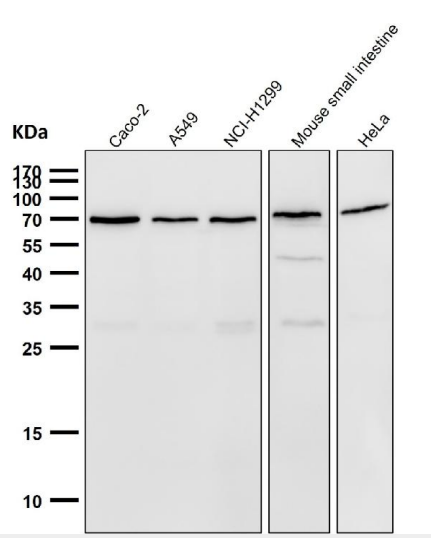
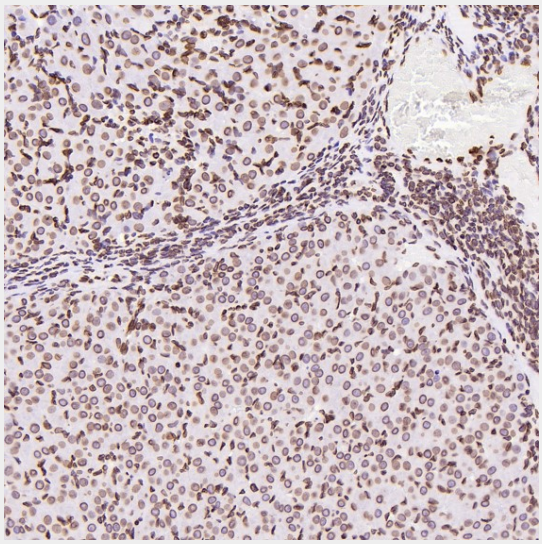
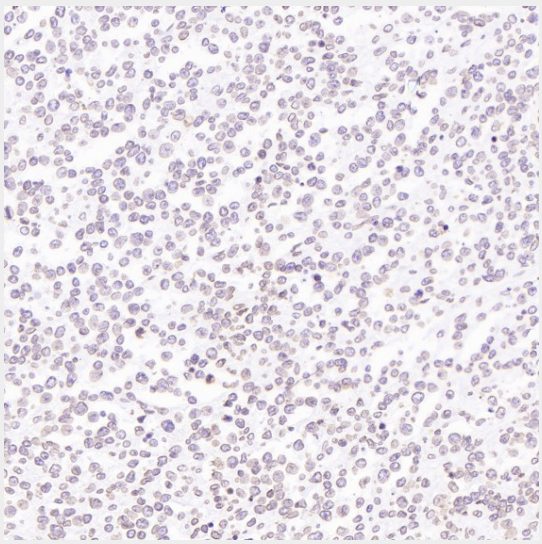


All lanes use Lamin B1 Antibody at 1:10000 dilution for 1 hour at room temperature.



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



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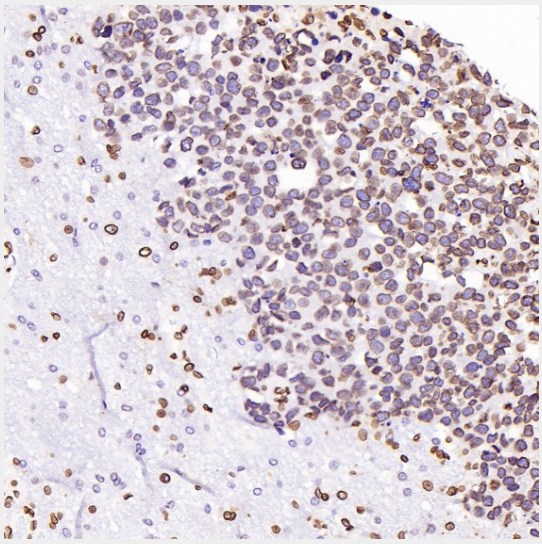
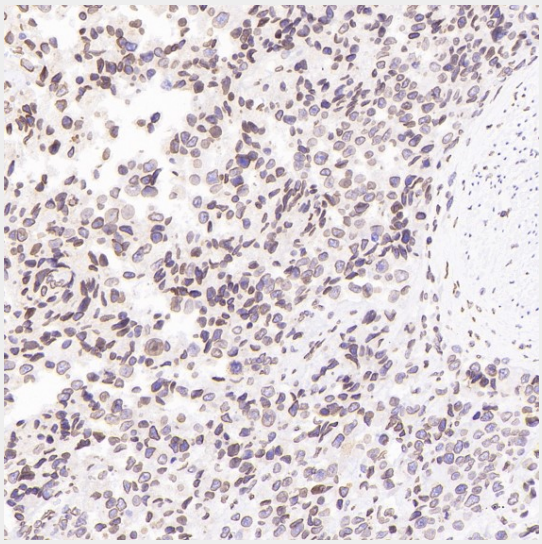
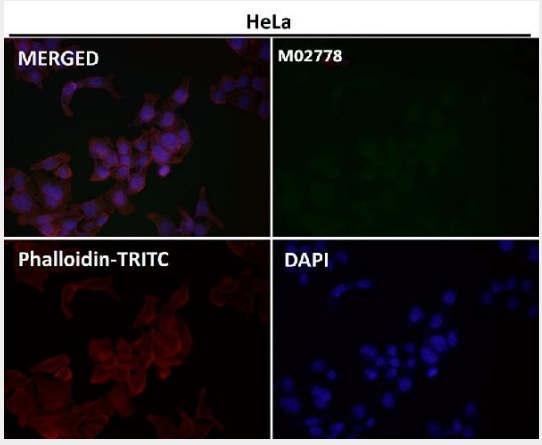
Immunohistochemical analysis of paraffin-embedded Human non-Hodgkin's lymphoma, using the Antibody at 1:100 dilution.



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.



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Immunofluorescent analysis using the Antibody at 1:150 dilution.