10320 Camino Santa Fe, Suite G
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Lamin B1 Antibody
Rabbit mAb
Catalog # AP90034

Specification

Lamin B1 Antibody - Product Information

Application	**WB, IHC, ICC, IP**
Primary Accession	P20700
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
LMN; ADLD; LMN2; LMNB; Lamin B1;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**66408 Da**

Lamin B1 Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Lamin B1**
Description	**The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Lamin B1 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, 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).

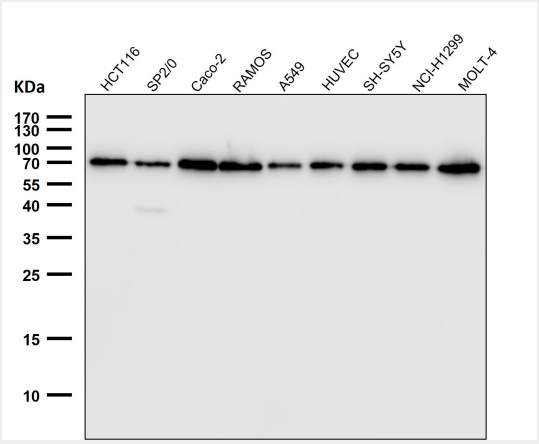
Cellular Location
Nucleus lamina

Lamin B1 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

Lamin B1 Antibody - Images



All lanes use AP90034 Lamin B1 Antibody at 1:10000 dilution for 1 hour at room temperature.

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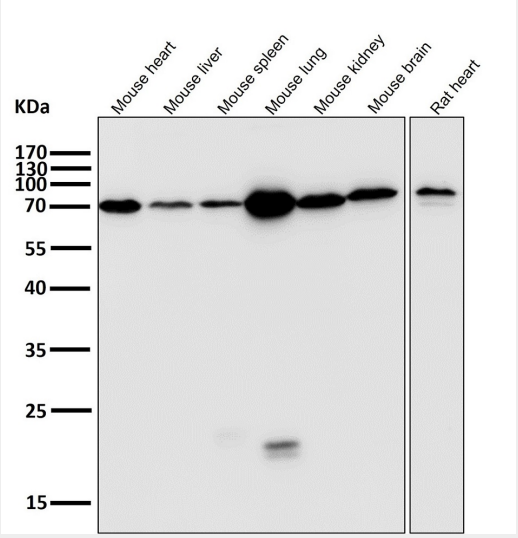
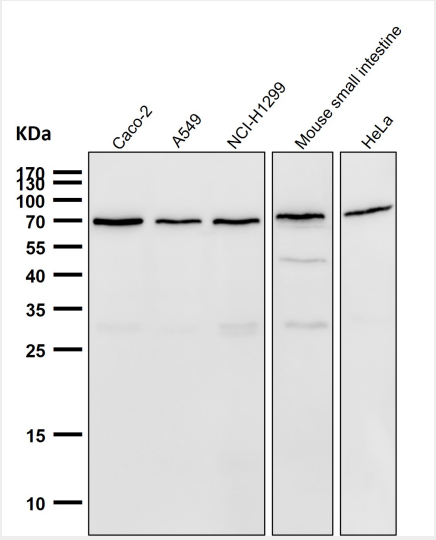


All lanes use AP90034 Lamin B1 Antibody at 1:20000 dilution for 1 hour at room temperature.



All lanes use AP90034 Lamin B1 Antibody at 1:10000 dilution for 1 hour at room temperature.