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

Anti-Lamin B1 Antibody
Mouse Monoclonal Antibody
Catalog # AP53431

Specification

Anti-Lamin B1 Antibody - Product Information

Application	**WB, ICC**
Primary Accession	P20700
Other Accession	NM_005573
Reactivity	**Human, Mouse, Monkey**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Immunogen	**Recombinant human Lamin B1 protein.**
Purification	**Affinity purified**
Calculated MW	**68 KDa**

Anti-Lamin B1 Antibody - Additional Information

Gene ID 4001

Other Names
ADLD; lamin B1; Lamin-B1; LMN; LMN2; LMNB; Lmnb1; LMNB1_HUMAN; MGC111419; OTTHUMP00000159218.

Dilution
WB~~1:500

Format
Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-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: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).

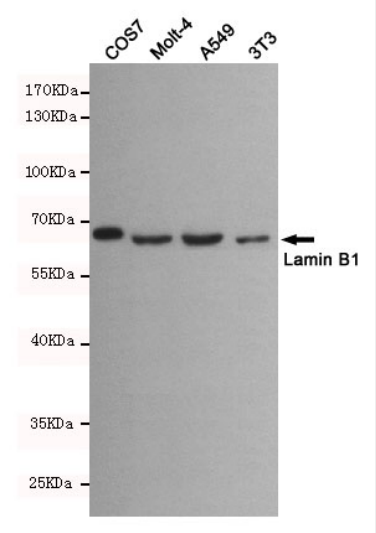
Cellular Location
Nucleus lamina

Anti-Lamin B1 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 Antibody - Images



Western blot detection of Lamin B1 in COS7, Molt-4, A549 and 3T3 cell lysates using Lamin B1 mouse mAb(dilution 1:500).Predicted band size:68kDa.Observed band size:68kDa.

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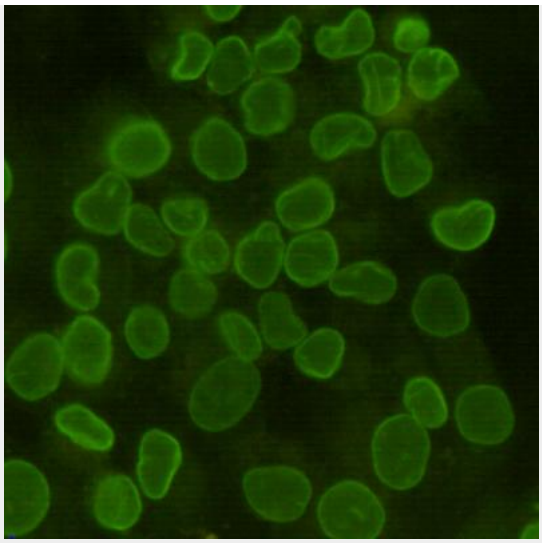

Immunocytochemistry staining of Hela cells fixed with 4% Paraformaldehyde and using anti-Lamin B1 mouse mAb (dilution 1:100).

Anti-Lamin B1 Antibody - 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.