

# Anti-Lamin B1 Antibody

Mouse Monoclonal Antibody

Catalog # AP53431

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P20700</a>
<b>Other Accession</b>	<a href="#">NM_005573</a>
<b>Reactivity</b>	Human, Mouse, Monkey
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Immunogen</b>	Recombinant human Lamin B1 protein.
<b>Purification</b>	Affinity purified
<b>Calculated MW</b>	66408

## Additional Information

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<b>Gene ID</b>	4001
<b>Other Names</b>	ADLD; lamin B1; Lamin-B1; LMN; LMN2; LMNB; Lmnb1; LMNB1_HUMAN; MGC111419; OTTHUMP00000159218.
<b>Dilution</b>	WB~~1:500
<b>Format</b>	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	LMNB1
<b>Synonyms</b>	LMN2, LMNB
<b>Function</b>	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="#">28716252</a> , PubMed: <a href="#">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="#">28716252</a> , PubMed: <a href="#">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="#">28716252</a> ,

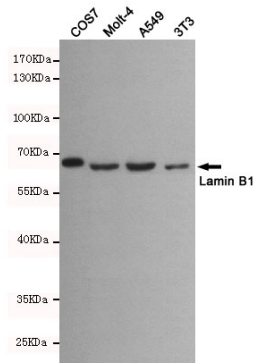
## Cellular Location

Nucleus lamina

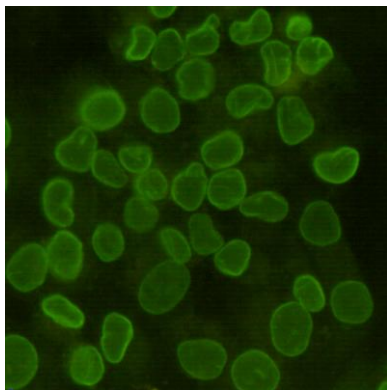
## Background

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.

## 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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.