

**Lamin B1 (aa526-537) Antibody (internal region, near C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3821a

### Specification

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#### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - Product Information

Application	WB
Primary Accession	<a href="#">P20700</a>
Other Accession	<a href="#">NP_005564.1</a> , <a href="#">NP_001185486.1</a> , <a href="#">4001</a> , <a href="#">16906 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	66408

#### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - Additional Information

**Gene ID** 4001

**Other Names**

Lamin-B1, LMNB1, LMN2, LMNB

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Lamin B1 (aa526-537) Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - 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">http://www.uniprot.org/citations/28716252](http://www.uniprot.org/citations/28716252)>, PubMed:<[a href="http://www.uniprot.org/citations/32910914" target="\\_blank">http://www.uniprot.org/citations/32910914](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

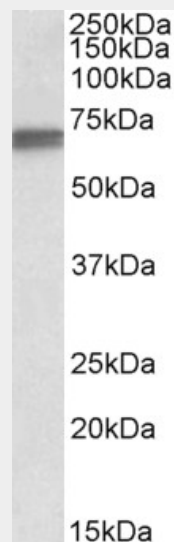
Nucleus lamina

### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - 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](#)

### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - Images



AF3821a (1 µg/ml) staining of nuclear HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - Background

This antibody is expected to recognize both reported isoforms (NP\_005564.1; NP\_001185486.1).

### Lamin B1 (aa526-537) Antibody (internal region, near C-Term) - References

Genomic duplications mediate overexpression of lamin B1 in adult-onset autosomal dominant leukodystrophy (ADLD) with autonomic symptoms. Schuster J, Sundblom J, Thureson AC, Hassin-Baer S, Klopstock T, Dichgans M, Cohen OS, Raininko R, Melberg A, Dahl N. Neurogenetics. 2011 Feb;12(1):65-72. PMID: 21225301