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

Peptide-affinity purified goat antibody
Catalog # AF3821a

Specification

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

Application	**WB**
Primary Accession	P20700
Other Accession	NP_005564.1, NP_001185486.1, 4001, 16906 (mouse)
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:28716252, PubMed:<a href="http://www.uniprot.org/citations/32910914"

target="_blank">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 (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 Cytomety
- 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, Thuresson 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