

Lamin B1 (isoform 1) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3820a

Specification

Lamin B1 (isoform 1) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P20700
Other Accession	NP_005564.1 , 4001
Reactivity	Human
Predicted	Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	66408

Lamin B1 (isoform 1) Antibody (internal region) - 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 (isoform 1) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Lamin B1 (isoform 1) Antibody (internal region) - 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](http://www.uniprot.org/citations/28716252), PubMed: [32910914](http://www.uniprot.org/citations/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 (isoform 1) Antibody (internal region) - 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 (isoform 1) Antibody (internal region) - Images



AF3820a (0.2 µg/ml) staining of Jurkat lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Lamin B1 (isoform 1) Antibody (internal region) - Background

This antibody is expected to recognize isoform 1 (NP_005564.1) only.

Lamin B1 (isoform 1) Antibody (internal region) - 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