

Lamin B1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51319**Specification**

Lamin B1 Antibody - Product Information

Application	WB
Primary Accession	P20700
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67 KDa
Antigen Region	21 - 80

Lamin B1 Antibody - Additional Information**Gene ID** 4001**Other Names**

Lamin-B1, LMNB1, LMN2, LMNB

Target/Specificity

KLH conjugated synthetic peptide derived from human Lamin B1

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

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

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](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](http://www.uniprot.org/citations/28716252), PubMed: [28716252](http://www.uniprot.org/citations/28716252), PubMed: [28716252](http://www.uniprot.org/citations/28716252)).

href="http://www.uniprot.org/citations/32910914" target="_blank">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

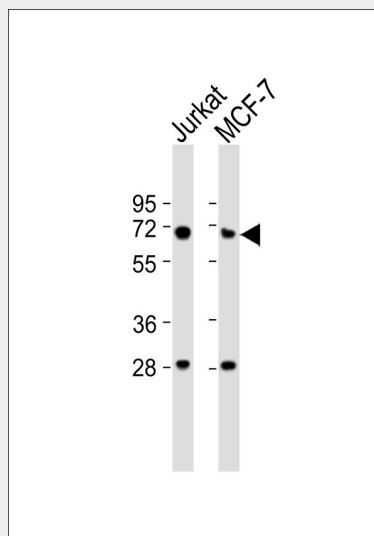
Nucleus lamina

Lamin B1 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 Cytometry](#)
- [Cell Culture](#)

Lamin B1 Antibody - Images



All lanes : Anti-Lamin B1 Antibody at 1:1000 dilution Lane 1: Jurkat whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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.

Lamin B1 Antibody - References

Pollard K.M., et al. Mol. Cell. Biol. 10:2164-2175(1990).
Lin F., et al. Genomics 27:230-236(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V., et al. Submitted (DEC-2008) to UniProtKB.