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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, PubMed: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:<a

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).

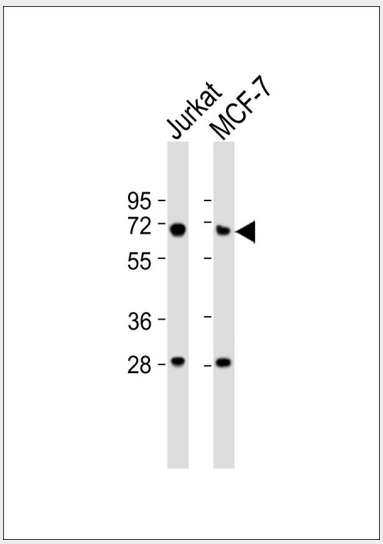
Cellular Location
Nucleus lamina

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 Cytomety
- 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.
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