

Lamin B1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10621**Specification**

Lamin B1 Antibody - Product Information

Application	WB
Primary Accession	P14733
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66786

Lamin B1 Antibody - Additional Information**Gene ID** 16906

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects a 68 kDa mouse Lamin B1 on SDS-PAGE immunoblots. It also reacts in a lesser extent with human and rat samples. A ~40 kDa unknown band can also be detected in all human, mouse and rat samples.
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Other Names

LMB1, LMNB1, LMNB 1, LMNB, LaminB1, LMN

Target/Specificity

Lamin

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Lamin B1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Lamin B1 Antibody - Protein Information

Name Lmnb1

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:28241138). 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:28241138). 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:28241138).

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**Lamin B1 Antibody - Background**

Catalase is known marker for peroxisomes. It is the most abundant protein in the peroxisomes. It is present in all aerobically respiring organisms. It protects cells from the toxicity of hydrogen peroxide.