

# Lamin B1 Rabbit pAb

Catalog No.: A16910 **2 Publications**

## Basic Information

### Observed MW

68kDa

### Calculated MW

66kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC, IP, ChIP

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes one of the two B-type lamin proteins and is a component of the nuclear lamina. A duplication of this gene is associated with autosomal dominant adult-onset leukodystrophy (ADLD). Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ChIP</b>	5µg antibody for 5µg-10µg of Chromatin

## Contact

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## Immunogen Information

### Gene ID

4001

### Swiss Prot

P20700

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 397-586 of human Lamin B1 (NP\_005564.1).

### Synonyms

LMN; ADLD; LMN2; LMNB; MCPH26; Lamin B1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

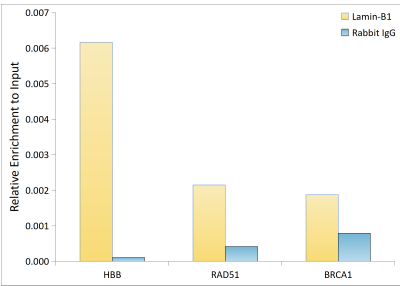
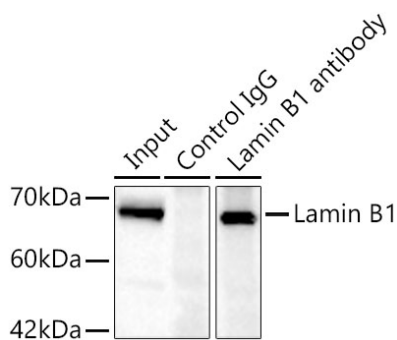
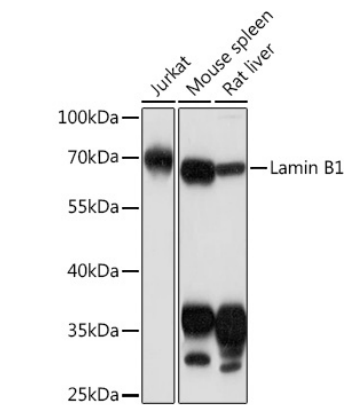
Affinity purification

### Storage

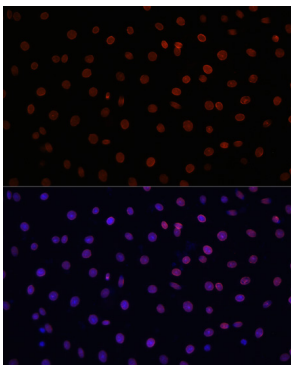
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

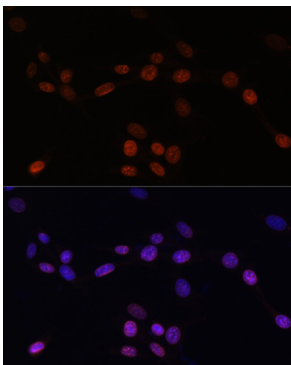
Validation Data



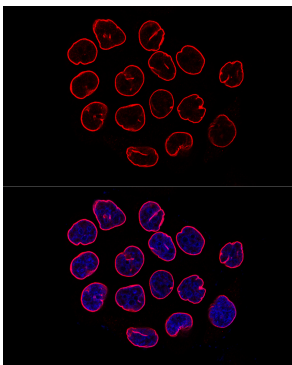
Chromatin immunoprecipitation was performed with cross-linked chromatin from HeLa, using Lamin-B1 Rabbit mAb (A16910) and rabbit IgG(AC042). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.



Immunofluorescence analysis of C6 cells



Immunofluorescence analysis of NIH/3T3

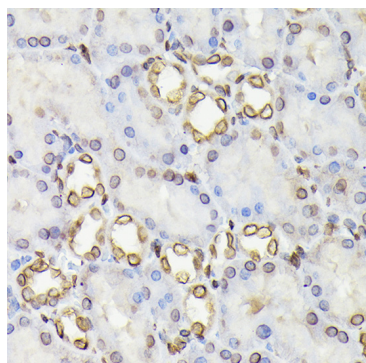


Confocal immunofluorescence analysis of

## Validation Data

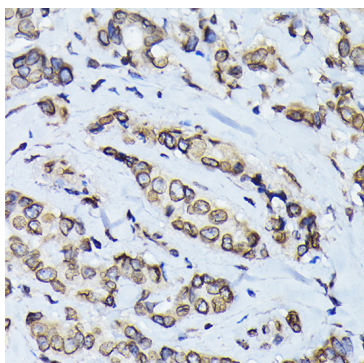
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using Lamin B1 Rabbit pAb (A16910) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



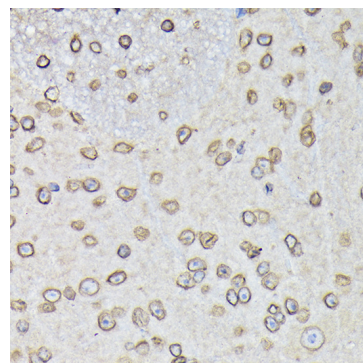
Immunohistochemistry analysis of paraffin-embedded rat kidney using Lamin B1 Rabbit pAb (A16910) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

cells using Lamin B1 Rabbit pAb (A16910) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human breast cancer using Lamin B1 Rabbit pAb (A16910) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

HeLa cells using Lamin B1 Rabbit pAb (A16910) at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded mouse spinal cord using Lamin B1 Rabbit pAb (A16910) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.