

Lamin B1 Rabbit pAb

Catalog No.: A1910 **40 Publications**

Basic Information

Observed MW

68kDa/45kDa

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

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ChIP 5µg antibody for
10µg-15µg of Chromatin

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

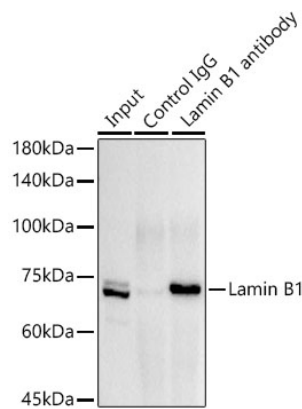
Affinity purification

Storage

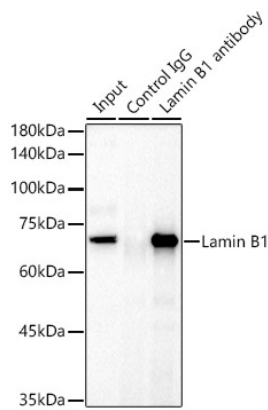
Store at -20°C. Avoid freeze / thaw cycles.

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

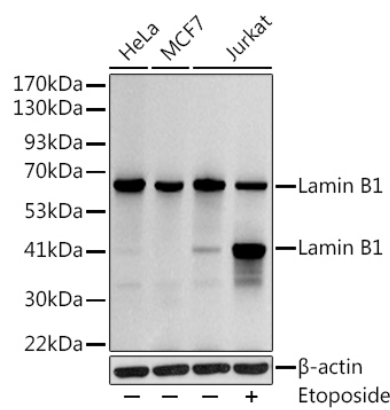
Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Lamin B1 antibody (A1910). Western blot was performed from the immunoprecipitate using Lamin B1 (A1910) at a dilution of 1:1000.

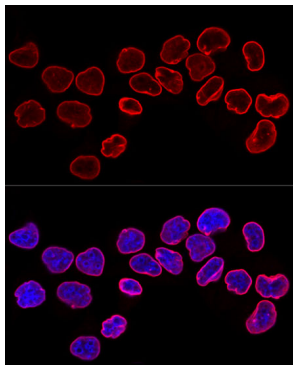
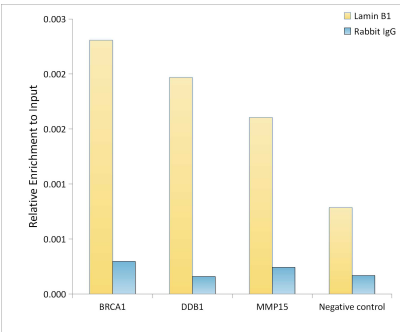
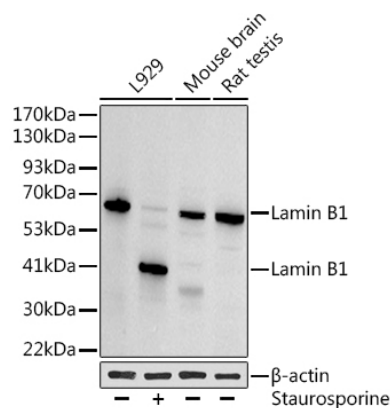


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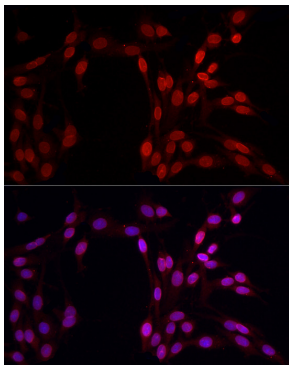


Western blot analysis of various lysates using Lamin B1 Rabbit pAb (A1910) at 1:1000 dilution. Jurkat cells were treated by Etoposide (25 uM) at 37°C for 5 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

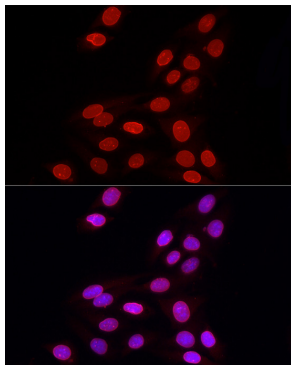
Validation Data



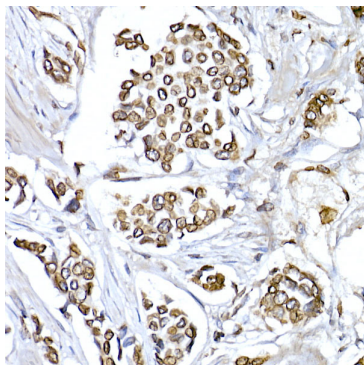
Confocal immunofluorescence analysis of HeLa cells using Lamin B1 Rabbit pAb (A1910) at dilution of 1:200. Blue: DAPI for nuclear staining.



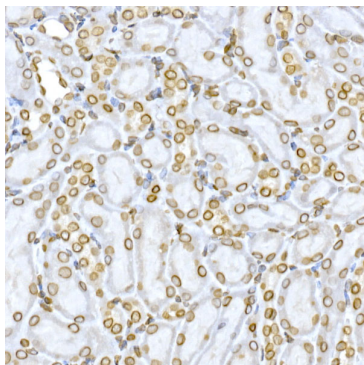
Immunofluorescence analysis of PC-12 cells using Lamin B1 Rabbit pAb (A1910) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



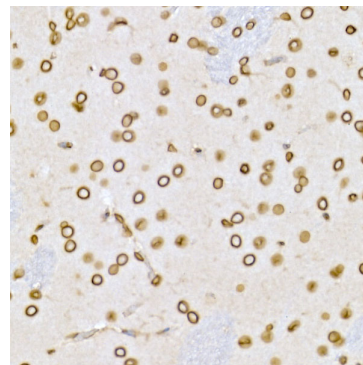
Immunofluorescence analysis of U2OS cells using Lamin B1 Rabbit pAb (A1910) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of Lamin B1 in paraffin-embedded human breast cancer using Lamin B1 Rabbit pAb (A1910) at dilution of 1:150 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Lamin B1 in paraffin-embedded mouse kidney using Lamin B1 Rabbit pAb (A1910) at dilution of 1:150 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Lamin B1 in paraffin-embedded rat brain using Lamin B1 Rabbit pAb (A1910) at dilution of 1:150 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.