Anti-Lamin B1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104585

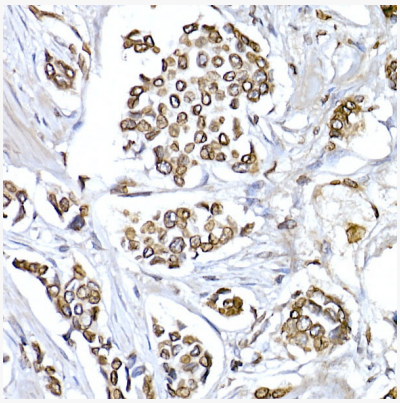
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, IP, ELISA, ChIP
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:5000; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells; IF 1:50~1:200; IHC-P 1:50~1:200ChIP 5μg antibody for 10μg-15μg of Chromatin
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 397-586 of human Lamin B1 (NP_005564.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Lamin B1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

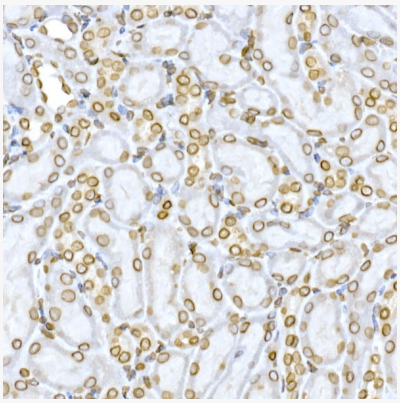
Protein Information

Synonyms	LMN; ADLD; LMN2; LMNB; MCPH26; Lamin B1.
Calculated MW	Calculated MW: 66 kDa; Observed MW: 68 kDa/45 kDa
Uniprot ID	P20700
Gene ID	4001
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.

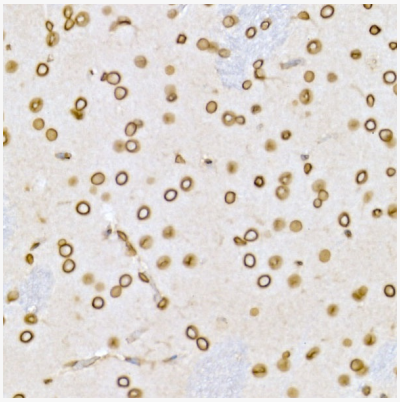
Validation Images



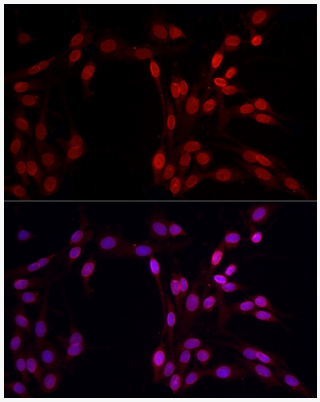
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Lamin B1 Rabbit pAb (P104585) at dilution of 1:150 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



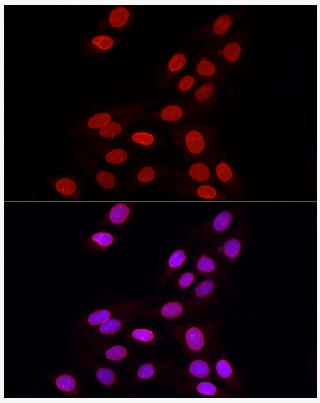
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Lamin B1 Rabbit pAb (P104585) at dilution of 1:150 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



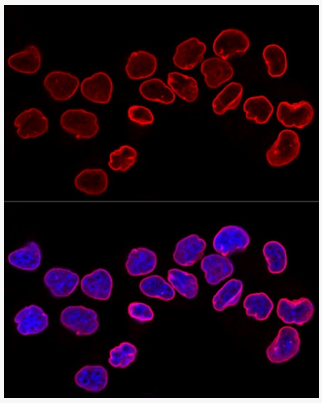
Immunohistochemistry analysis of paraffin-embedded Rat brain using Lamin B1 Rabbit pAb (P104585) at dilution of 1:150 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



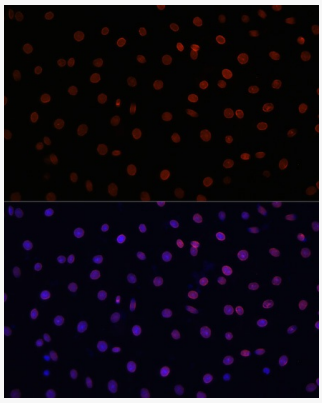
Immunofluorescence analysis of PC-12 cells using Lamin B1 Rabbit pAb (P104585) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



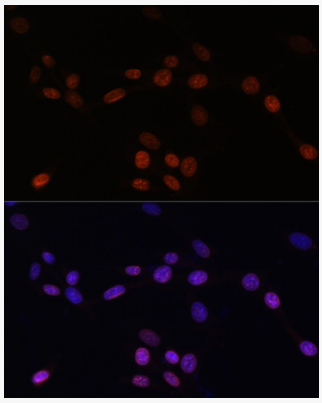
Immunofluorescence analysis of U2OS cells using Lamin B1 Rabbit pAb (P104585) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



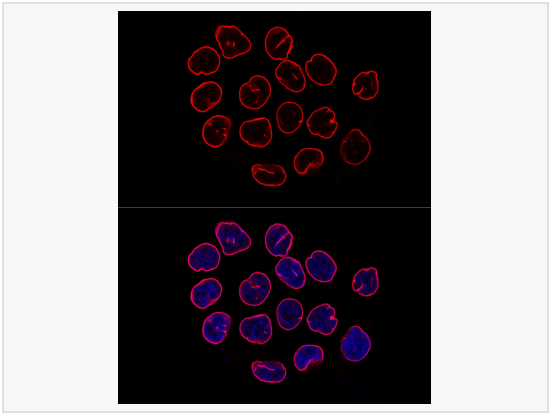
Confocal immunofluorescence analysis of HeLa cells using Lamin B1 Rabbit pAb (P104585) at dilution of 1:200. Blue: DAPI for nuclear staining.



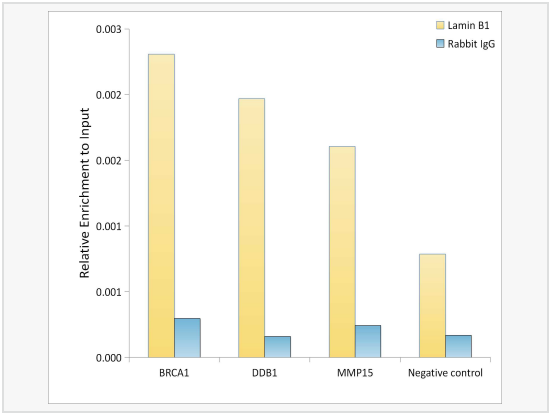
Immunofluorescence analysis of C6 cells using Lamin B1 Rabbit pAb (P104585) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



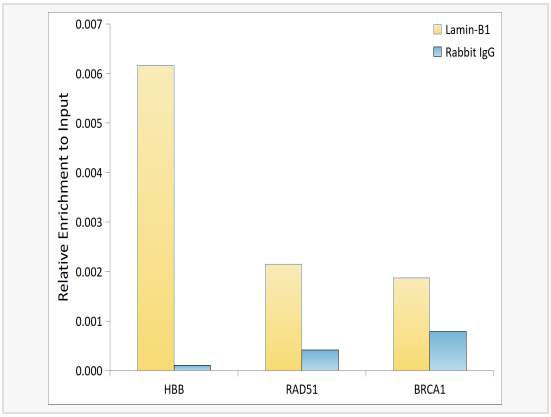
Immunofluorescence analysis of NIH/3T3 cells using Lamin B1 Rabbit pAb (P104585) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



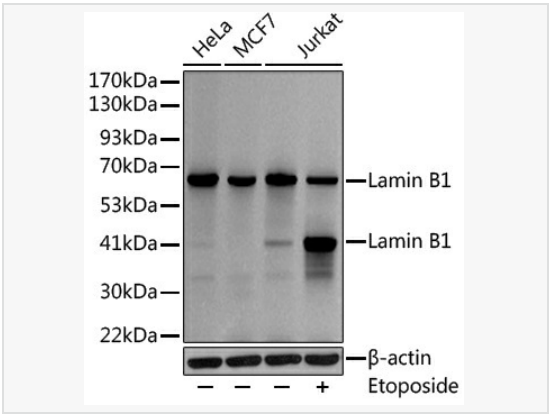
Confocal immunofluorescence analysis of HeLa cells using Lamin B1 Rabbit pAb (P104585) at dilution of 1:200. Blue: DAPI for nuclear staining.



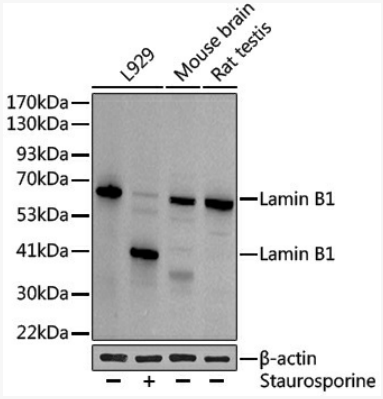
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Lamin B1 Rabbit pAb antibody (P104585) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



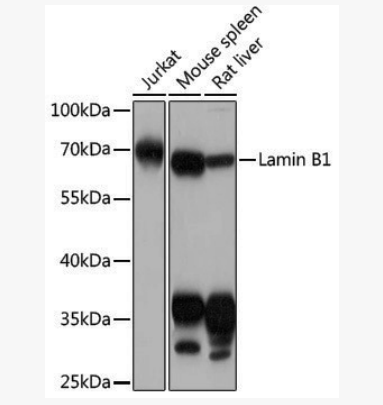
Chromatin immunoprecipitation was performed with cross-linked chromatin from HeLa, using Lamin-B1 Rabbit mAb (P104585) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.



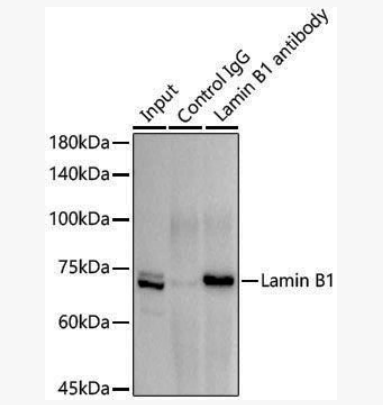
Western blot analysis of various lysates using Lamin B1 Rabbit pAb (P104585) at 1:1,000 dilution. Jurkat cells were treated by Etoposide (25 uM) at 37°C for 5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 10s.



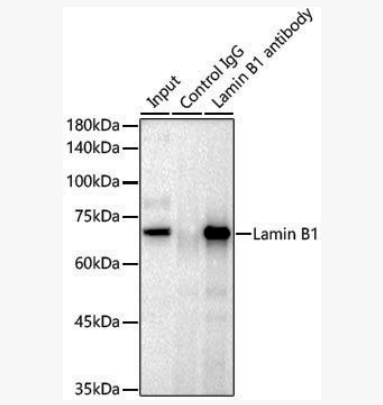
Western blot analysis of various lysates using Lamin B1 Rabbit pAb (P104585) at 1:1,000 dilution. L929 cells were treated by staurosporine(1 uM) for 3 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



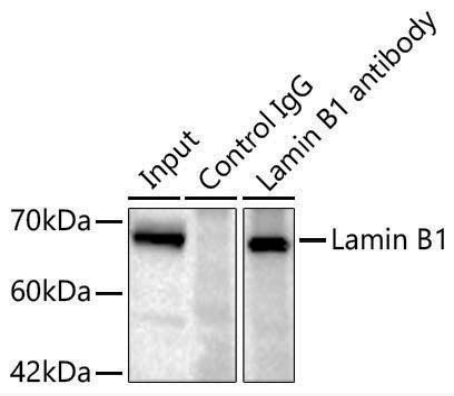
Western blot analysis of various lysates using Lamin B1 Rabbit pAb (P104585) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1min.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Lamin B1 antibody (P104585). Western blot was performed from the immunoprecipitate using Lamin B1 (P104585) at a dilution of 1:1000.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Lamin B1 antibody (P104585). Western blot was performed from the immunoprecipitate using Lamin B1 antibody (P104585) at a dilution of 1:1000.



Immunoprecipitation of Lamin B1 in 300 µg extracts from Jurkat cells using 0.5 µg Lamin B1 Rabbit pAb (P104585). Western blot analysis was performed using Lamin B1 Rabbit pAb (P104585) at 1:1,000 dilution.