

Datasheet for ABIN3015698  
**anti-Lamin B1 antibody (AA 397-586)**



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16 Images 2 Publications

## Overview

Quantity:	100 µL
Target:	Lamin B1 (LMNB1)
Binding Specificity:	AA 397-586
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lamin B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 397-586 of human Lamin B1 (NP_005564.1).
Sequence:	RVTVSRASSS RSVRTTRGKR KRVDVEESEA SSSVSISHSA SATGNVCIEE IDVDGKFIRL KNTSEQDQPM GGWEMIRKIG DTSVSYKYTS RYVLKAGQTV TIWAANAGVT ASPPTDLIWK NQNSWGTGED VKVILKNSQG EEVAQRSTVF KTTIPEEEEE EEEAAGVVVE EELFHQQGTP RASNRSCAIM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

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Target:	Lamin B1 (LMNB1)
Alternative Name:	LMNB1 ( <a href="#">LMNB1 Products</a> )
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.,ADLD,LMN,LMN2,LMNB,Lamin B1,LMNB1,lamin-B1,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cytoskeleton,Intermediate Filaments,LMNB1
Molecular Weight:	66 kDa
Gene ID:	4001
UniProt:	<a href="#">P20700</a>
Pathways:	<a href="#">Apoptosis, Caspase Cascade in Apoptosis</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

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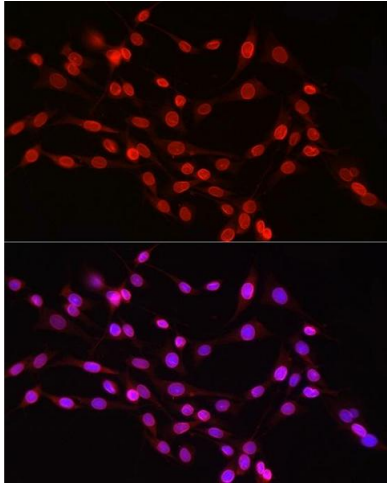
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Publications

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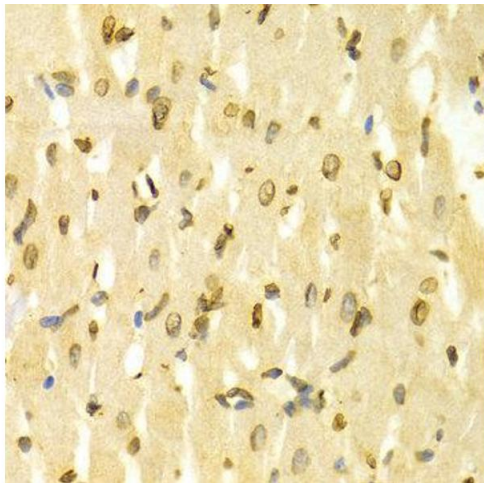
Product cited in:	Cheng, Wei, Xie, Peng, Yan, Qin, Liu, Xu, Li, Zhang: "Alleviation of Toxicity Caused by Overactivation of Ppara through Ppara-Inducible miR-181a2." in: <b>Molecular therapy. Nucleic acids</b> , Vol. 9, pp. 195-206, (2017) ( <a href="#">PubMed</a> ).
	Ma, Fang, Luo, Yang, Wang, Zhang, Wang, Chen, Chan, Liu: "The C-ETS2-TFEB Axis Promotes Neuron Survival under Oxidative Stress by Regulating Lysosome Activity." in: <b>Oxidative</b>

Images



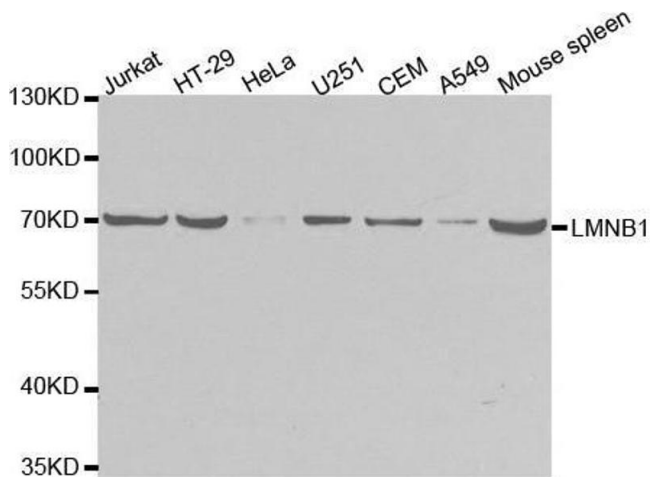
**Immunofluorescence**

**Image 1.** Immunofluorescence analysis of PC-12 cells using Lamin B1 Rabbit pAb (ABIN3015697, ABIN3015698, ABIN3015699, ABIN1680700 and ABIN6219049) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



**Immunohistochemistry**

**Image 2.** Immunohistochemistry of paraffin-embedded Rat heart using LMNB1 antibody at dilution of 1:100 (x400 lens).



**Western Blotting**

**Image 3.** Western blot analysis of extracts of various cell lines, using LMNB1 antibody.

Please check the [product details page](#) for more images. Overall 16 images are available for ABIN3015698.