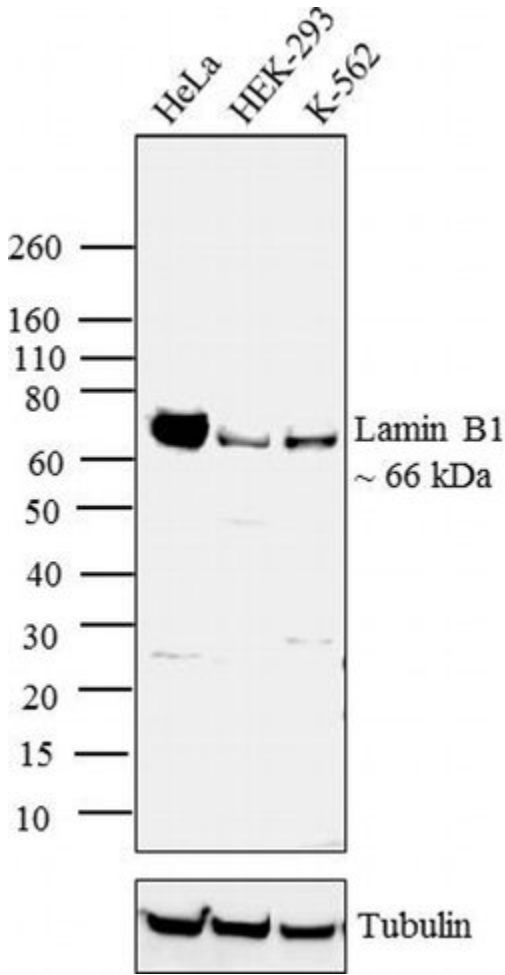


# Lamin B1 Monoclonal Antibody (L-5)

Product Details	
Size	100 µg
Species	Chicken, Human, Mouse, Rat
Published Species	Dog, Artificial Control, Rat, Pig, Non-human primate, Mouse, Human
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	L-5
Conjugate	Unconjugated
Immunogen	Extracts from chicken nuclei
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2533106

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.1-1.0 µg/mL	-
Immunofluorescence (IF)	5-10 µg/mL	-
Immunoprecipitation (IP)	2.5-5 µg	2 Publications
Western Blot (WB)	2 µg/mL	46 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Miscellaneous PubMed (Misc)	-	5 Publications

## Product Images For Lamin B1 Monoclonal Antibody (L-5)



### Lamin B1 Antibody (33-2000) in WB

Western blot analysis was performed on nuclear enriched cell extracts of HeLa (Lane 1), HEK-293 (Lane 2) and K-562 (Lane 3). The blots were probed with Anti- Lamin B1 Mouse Monoclonal Antibody (Product # 33-2000, 2 $\mu$ g/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.4  $\mu$ g/mL, 1:2500 dilution). A ~ 66 kDa band corresponding to Lamin B1 was observed across all cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Western Blot (46)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

### Taurine treatment prevents derangement of the hepatic -glutamyl cycle and methylglyoxal metabolism in a mouse model of classical homocystinuria: regulatory crosstalk between thiol and sulfinic acid metabolism.

"33-2000 was used in Western Blotting to analyse hepatic glutathione metabolism in a mouse model of homocystinuria."

Authors: Maclean KN, Jiang H, Aivazidis S, Kim E, Shearn CT, Harris PS, Petersen DR, Allen RH, Stabler SP, Roede JR

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2018

Molecules (Basel, Switzerland)

### Anti-Inflammatory Effect of Melittin on Porphyromonas Gingivalis LPS-Stimulated Human Keratinocytes.

"Published figure using Lamin B1 monoclonal antibody (Product # 33-2000) in Western Blot"

Authors: Kim WH, An HJ, Kim JY, Gwon MG, Gu H, Jeon M, Kim MK, Han SM, Park KK

**Species**  
Human

**Dilution**  
1:1,000

**Year**  
2018

[View more WB references on thermofisher.com](#)

## Immunocytochemistry (1)

Neuropathology and applied neurobiology

### Monocytes of patients with amyotrophic lateral sclerosis linked to gene mutations display altered TDP-43 subcellular distribution.

"Published figure using Lamin B1 monoclonal antibody (Product # 33-2000) in Western Blot"

Authors: De Marco G, Lomartire A, Calvo A, Risso A, De Luca E, Mostert M, Mandrioli J, Caponnetto C, Borghero G, Manera U, Canosa A, Moglia C, Restagno G, Fini N, Tarella C, Giordana MT, Rinaudo MT, Chiò A

**Species**  
Human  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2017

## Immunohistochemistry (3)

The Journal of neuroscience : the official journal of the Society for Neuroscience

### Defects of Lipid Synthesis Are Linked to the Age-Dependent Demyelination Caused by Lamin B1 Overexpression.

"Published figure using Lamin B1 monoclonal antibody (Product # 33-2000) in Immunohistochemistry"

Authors: Rolyan H, Tyurina YY, Hernandez M, Amoscato AA, Sparvero LJ, Nmezi BC, Lu Y, Estécio MR, Lin K, Chen J, He RR, Gong P, Rigatti LH, Dupree J, Bayr H, Kagan VE, Casaccia P, Padiath QS

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2015

[View more IHC references on thermofisher.com](#)

## More applications with references on thermofisher.com

Misc (5) IP (2) IHC (P) (1)

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