

# Product Datasheet

## Lamin B1 Antibody (4E4) - Azide and BSA Free H00004001-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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Updated 2/21/2025 v.20.1

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**H00004001-M03**

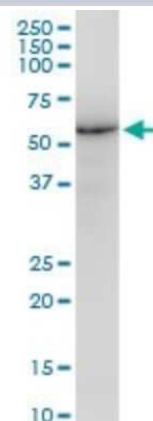
Lamin B1 Antibody (4E4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4E4
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4001
Gene Symbol	LMNB1
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Nuclear Envelope Marker
Specificity/Sensitivity	LMNB1 - lamin B1 (4E4)
Immunogen	LMNB1 (NP_005564.1, 107 a.a. ~ 186 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. LGKCKAEHDQLLLNYAKKESDLNGAQIKLREYEAALNSKDAALATALGDKKSLE GDLEDLKDQIAQLEASLAAAKQLAD
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

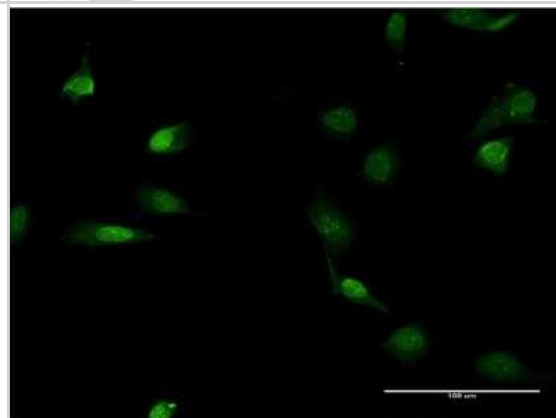


## Images

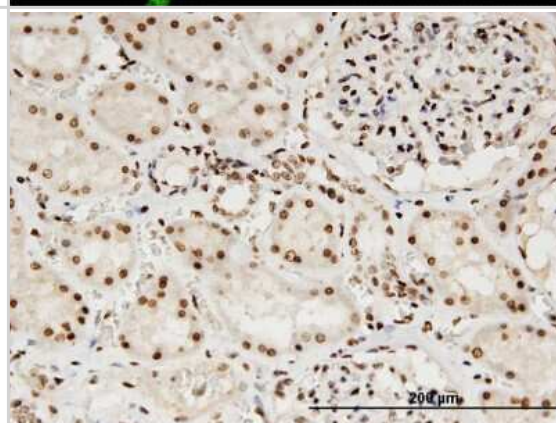
Western Blot: Lamin B1 Antibody (4E4) [H00004001-M03] - Analysis of LMNB1 expression in NIH/3T3 (Cat # L018V1).



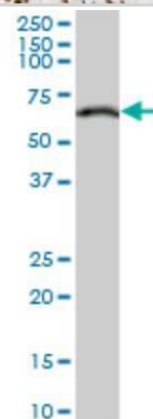
Immunocytochemistry/Immunofluorescence: Lamin B1 Antibody (4E4) [H00004001-M03] - Analysis of monoclonal antibody to LMNB1 on HeLa cell. Antibody concentration 10 ug/ml



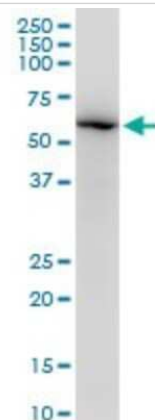
Immunohistochemistry-Paraffin: Lamin B1 Antibody (4E4) [H00004001-M03] - Analysis of monoclonal antibody to LMNB1 on formalin-fixed paraffin-embedded human kidney. Antibody concentration 3 ug/ml



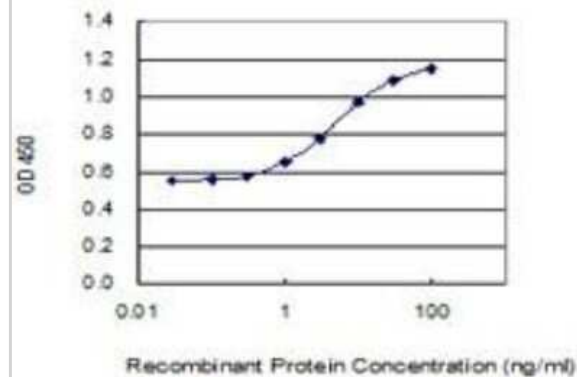
Western Blot: Lamin B1 Antibody (4E4) [H00004001-M03] - LMNB1 monoclonal antibody (M03), clone 4E4. Western Blot analysis of LMNB1 expression in Jurkat ( Cat # L017V1 ).



Western Blot: Lamin B1 Antibody (4E4) [H00004001-M03] - Analysis of LMNB1 expression in Raw 264.7 (Cat # L024V1).



ELISA: Lamin B1 Antibody (4E4) [H00004001-M03] - Lamin B1 Antibody (4E4) [H00004001-M03] - Detection limit for recombinant GST tagged LMNB1 is 0.3 ng/ml as a capture antibody.



## Publications

Khan S, Zuccato J, Ignatchenko V et al. Organelle resolved proteomics reveals new chordoma cell surface markers required for proliferation and association with outcome Research Square 2022-04-13



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### **Products Related to H00004001-M03**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00004001-P01-10ug	Recombinant Human Lamin B1 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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