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anti-Lamin B2 antibody (C-Term)

2 Images



Publication



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Quantity:	100 μg	
Target:	Lamin B2 (LMNB2)	
Binding Specificity:	AA 580-597, C-Term	
Reactivity:	Human, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

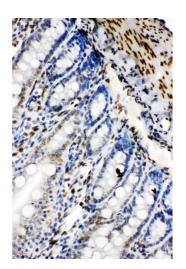
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Lamin-B2(LMNB2) detection. Tested with WB, IHC-P, IHC-F in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Lamin B2(580-597aa EEDLFHQQGDPRTTSRGC), identical to the related rat and mouse sequences.
Sequence:	EEDLFHQQGD PRTTSRGC
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Lamin-B2(LMNB2) detection. Tested with WB, IHC-P, IHC-F in

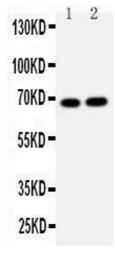
	Human,Mouse,Rat.
	Gene Name: lamin B2
	Protein Name: Lamin-B2
Purification:	Immunogen affinity purified.
Target Details	
Target:	Lamin B2 (LMNB2)
Alternative Name:	LMNB2 (LMNB2 Products)
Background:	Lamin B2, also called LMNB2, is a protein associated with laminopathies. The LMNB2 gene is
	mapped to the G-negative subtelomeric band p13.3 of chromosome 19 by in situ hybridizatio
	The LMNB2 gene contains 12 exons. Model organisms have been used in the study of Lamin
	B2 function. A conditional knockout mouse line, called Lmnb2, is generated as part of the
	International Knockout Mouse Consortium program-a high-throughput mutagenesis project to
	generate and distribute animal models of disease to interested scientists. A highly sensitive
	procedure about mapping the start site of DNA replication in a 13.7-kb region of human
	chromosome 19 coding for lamin B2 is developed for the identification of the origin of
	bidirectional DNA synthesis in single-copy replicons of mammalian cells.
	Synonyms: LAMB 2 antibody LAMB2 antibody Lamin-B2 antibody LMN 2 antibody LMN B2
	antibody LMN2 antibody LMNB 2 antibody LMNB2 antibody LMNB2_HUMAN
	antibody MGC2721 antibody RGD1563803 antibody
UniProt:	Q03252
Pathways:	Apoptosis, Caspase Cascade in Apoptosis
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Application Details	

IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	ABIN921231 in IHC(P) and IHC(F).	
Restrictions:	For Research Use only	
Handling		
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.	
Preservative:	Thimerosal (Merthiolate), Sodium azide	
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND	
	HAZARDOUS SUBSTANCES which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	
	and thawing.	
Expiry Date:	12 months	
Publications		
Product cited in:	Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell	
i roduct cited III.	· · · · · · · · · · · · · · · · · · ·	
	subsets and other leukocytes in parattin-embedded rat and mouse tissues with monoclonal	
	subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: The journal of histochemistry and cytochemistry: official journal of the	





Immunohistochemistry

Image 1. Anti-Lamin B2 antibody, IHC(P) IHC(P): Rat Intestine Tissue

Western Blotting

Image 2. Anti-Lamin B2 antibody, Western blotting Lane 1: HELA Cell Lysate Lane 2: U87 Cell Lysate