



# Lamin B1 Polyclonal Antibody

<b>Catalog No</b>	BYab-00568
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	LMNB1
<b>Protein Name</b>	Lamin-B1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human LMNB1. AA range:391-440
<b>Specificity</b>	Lamin B1 Polyclonal Antibody detects endogenous levels of Lamin B1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	LMNB1; LMN2; LMNB; Lamin-B1
<b>Observed Band</b>	70kD
<b>Cell Pathway</b>	Nucleus lamina .
<b>Tissue Specificity</b>	Brain,Cajal-Retzius cell,Epithelium,Eye,Fetal brain cortex,Ovarian carcinoma,Placenta,Uterus,
<b>Function</b>	disease:Defects in LMNB1 are the cause of leukodystrophy demyelinating autosomal dominant adult-onset (ADLD) [MIM:169500]. ADLD is a slowly progressive and fatal demyelinating leukodystrophy, presenting in the fourth or fifth decade of life. Clinically characterized by early autonomic abnormalities, pyramidal and cerebellar dysfunction, and symmetric demyelination of the CNS. It differs from multiple sclerosis and other demyelinating disorders in that neuropathology shows preservation of oligodendroglia in the presence of subtotal demyelination and lack of astrogliosis.,function:Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.,miscellaneous:The structural integrity of the

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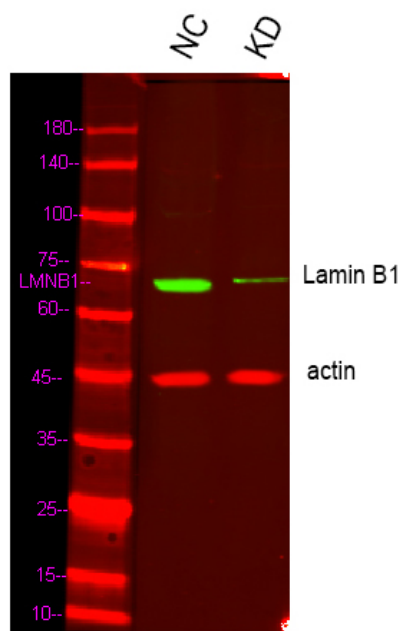


lamina is strictly controlled by the cell cycle

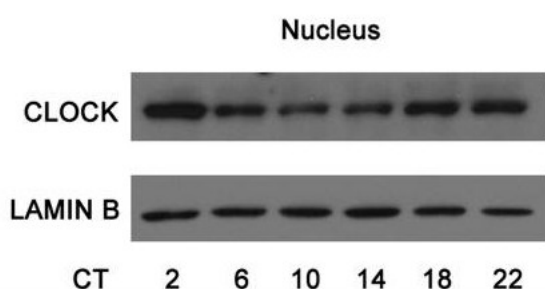
Background	lamin B1(LMNB1) Homo sapiens This gene encodes one of the two B-type lamin proteins and is a component of the nuclear lamina. A duplication of this gene is associated with autosomal dominant adult-onset leukodystrophy (ADLD). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



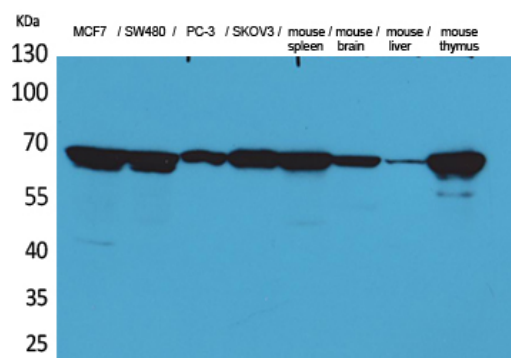
## Products Images



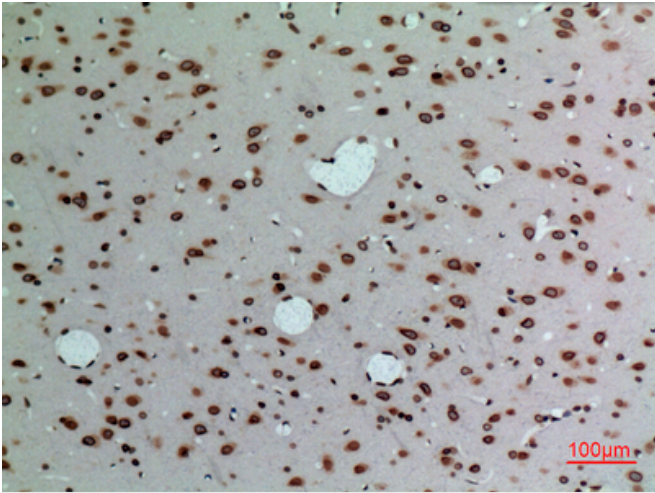
Western blot analysis of lysates from 1)Hela cell ,  
2)Hela cells knockdown by siRNA  
(F:GCUUCUUGAUGUAAAGUUATT,R:UAACUUUAC  
AUCAAGAAGCTT), (Green) primary antibody was  
diluted at 1:1000, 4° over night, Dylight 800 secondary  
antibody(Immunoway:RS23920)was diluted at  
1:10000, 37° 1hour. (Red) actin Monoclonal Antibody  
(Immunoway:YM3028) antibody was diluted at 1:5000  
as loading control, 4° over night, Dylight 680  
secondary antibody(Immunoway:RS23710)was diluted  
at 1:10000, 37° 1hour.



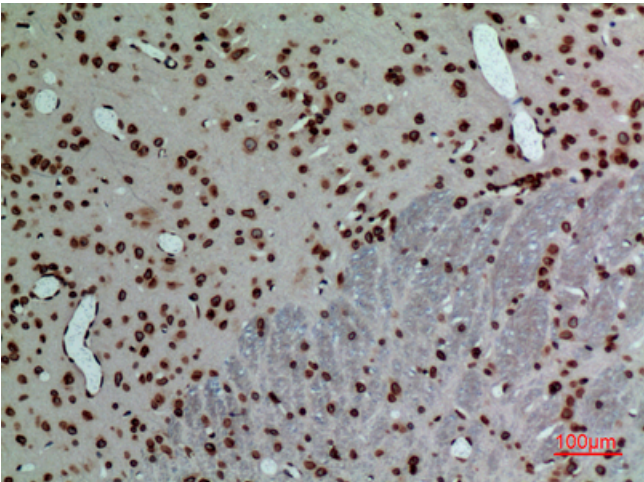
Gao, Qian, et al. "A novel role of microRNA 17-5p in the  
modulation of circadian rhythm." Scientific reports 6  
(2016): 30070.



Western Blot analysis of MCF7, SW480, PC-3, SKOV3,  
mouse spleen, mouse brain, mouse liver, mouse  
thymus cells using Lamin B1 Polyclonal Antibody.  
Antibody was diluted at 1:500. Secondary  
antibody(catalog#:RS0002) was diluted at 1:20000  
cells nucleus extracted by Minute TM Cytoplasmic and  
Nuclear Fractionation kit  
(SC-003, Invent biotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



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