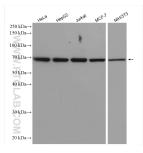
For Research Use Only

Lamin B1 Polyclonal antibody Catalog Number:12987-1-AP Featured Product 1291 Publications

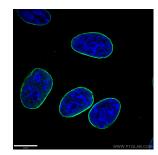


Catalog Number: 12987-1-AP	GenBank Accession Number: BC012295		Purification Method: Antigen affinity purification	
Concentration:	GenelD (NCBI):		Recommended Dilutions:	
Source:):	WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total	
Rabbit	ENSG00000113368		protein lysate IHC: 1:1000-1:4000	
Isotype: IgG	UNIPROT ID: P20700		IF-P: 1:50-1:500 IF/ICC: 1:200-1:800	
Immunogen Catalog Number: AG3631	Full Name: lamin B1		FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
	Calculated MW: 66 kDa			
	Observed MW: 66-70 kDa			
Tested Applications: WB, IHC, IF/ICC, IF-P, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, ChIP Species Specificity: human, mouse, rat		Positive Co	Positive Controls: WB : HeLa cells, U-937 cells, mouse spleen tissue, K- 562 cells, Y79 cells, mouse pancreas tissue, SH-SY5Y cells, mouse kidney tissue, mouse lung tissue, mouse eye tissue, HepG2 cells, Jurkat cells, MCF-7 cells, NIH/3T3 cells, RAW 264.7 cells	
		562 cells, Y		
		eye tissue,		
Cited Species:		IP : HeLa ce	IP : HeLa cells,	
human, mouse, rat, pig, canine, monkey, chicken, hamster, escherichia coli, bombyx mori		liver cance	IHC : mouse heart tissue, human kidney tissue, hum liver cancer tissue, human colon tissue, mouse kidne tissue, human colon cancer tissue IF-P : human skin cancer tissue,	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
		IF/ICC : He	IF/ICC : HepG2 cells, human skin cancer tissue, NIH/3T3 cells	
		FC (Intra) :	FC (Intra) : HEK-293 cells,	
membrane, which is thought to p The nuclear lamina consists of a The lamin family of proteins mal matrix is reversibly disassemble A and B. This gene encodes one o significant delays in the onset of	rovide a framework for two-dimensional matr ke up the matrix and a d as the lamin protein f the two B type protein chromatin condensatio	r the nuclear enve ix of proteins loca re highly conserve s are phosphoryla ns, B1. Expression on and nuclear sh	elope and may also interact with chromati ated next to the inner nuclear membrane. ed in evolution. During mitosis, the lamin ted. Vertebrate lamins consist of two type of uncleavable mutant lamin A or B cause rinkage during apoptosis (PMID:11953316	
Author	Pubmed ID J	ournal	Application	
Liqun Xu	34638868 li	nt J Mol Sci	WB	
Kaili Liu	33007707 T	ransl Oncol	WB	
Praveen K Dubey	34581943 N	1ol Cell Biochem	WB	
Storage: Store at -20°C. Stable for one yea Storage Buffer: PBS with 0.02% sodium azide an	·			
	12987-1-AP Concentration: 700 ug/ml Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG3631 Tested Applications: WB, IHC, IF/ICC, IF-P, FC (Intra), I Cited Applications: WB, IHC, IF, IP, CoIP, ChIP Species Specificity: human, mouse, rat Cited Species: human, mouse, rat, pig, canine, m hamster, escherichia coli, bomby Note-IHC: suggested antiger TE buffer pH 9.0; (*) Altern retrieval may be performe buffer pH 6.0 Lamins are components of the nu membrane, which is thought to p The nuclear lamina consists of a The lamin family of proteins mai matrix is reversibly disassemble A and B. This gene encodes one co significant delays in the onset of This protein is not suitable for sa Author Liqun Xu Kaili Liu Praveen K Dubey Storage: Store at -20°C. Stable for one yea	12987-1-APBC012295Concentration:GeneID (NCBI):700 ug/ml4001Source:ENSEMBL Gene IDRabbitENSEMBL Gene IDIsotype:UNIPROT ID:IgGP20700Immunogen Catalog Number:Full Name:AG3631Lamin B1Calculated MW:66 KDaObserved MW:66-70 kDaTested Applications:WB, IHC, IF/ICC, IF-P, FC (Intra), IP, ELISACited Applications:WB, IHC, IF, IP, CoIP, ChIPSpecies Specificity:human, mouse, ratCited Species:human, mouse, rat, escherichia coli, bombyx moriNote-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0Lamins are components of the nuclear lamina, a fibrous membrane, which is thought to provide a framework for The nuclear lamina consists of a two-dimensional matr The lamin family of proteins make up the matrix and ar matrix is reversibly disassembled as the lamin proteins A and B. This gene encodes one of the two B type protein significant delays in the onset of chromatin condensation This protein is not suitable for samples where the nuclear Ising retrieved IDJLiqun Xu34638868InKaitil Liu33007707TPraveen K Dubey34581943NStorage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Stora	12987-1-AP BC012295 Concentration: GeneID (NCB): 700 ug/ml 4001 Source: ENSEMBL Gene ID: Rabbit ENSC0000011368 Isotype: UNIPROT ID: IgG P20700 Immunogen Catalog Number: Full Name: AG3631 Iamin B1 Calculated MW: 66 kDa Observed MW: 66-70 kDa Species Specificity: Numan, mouse, rat, pig, canine, monkey, chicken, hamster, escherichia coli, bombyx mori NtH 373 ce Nte-IHC: suggested antigen retrieval with TF buffer pH 6.0 IP: Hela ce 1F.C: moustive context is thought to provide a framework for the nuclear lamina, a fibrous layer on the nuclear lamina, a fibrous layer on the nuclear lamina, a fibrous layer on the nuclear lamina consists of a two-dimensional matrix of proteins loc The nuclear lamina consists of a two-dimensional matrix and are highly conservative is reversibly disassembled as the lamin proteins are phosphoryla A and B. This gene encodes one of the two B type proteins, B.L. Expression significant delays in the onset of chromatin condensation and nuclear shi this protein is not suitable for samples where the nuclear envector has a date samples where the nuclear	

Selected Validation Data



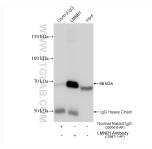
Various lysates were subjected to SDS PAGE followed by western blot with 12987-1-AP (Lamin B1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



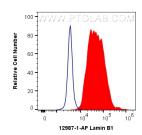
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 12987-1-AP (Lamin B1 antibody) at dilution of 1:200 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



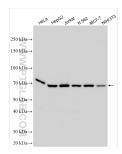
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Lamin B1 (IP:12987-1-AP, 4ug; Detection:12987-1-AP 1:20000) with HeLa cells lysate 1560 ug.



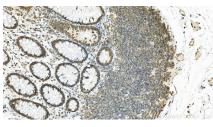
1X10^6 HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human Lamin B1 (12987-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



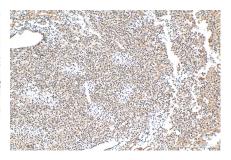
Various lysates were subjected to SDS PAGE followed by western blot with 12987-1-AP (Lamin B1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human normal colon slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

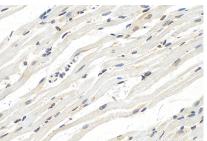


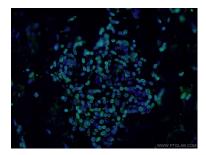
Immunohistochemical analysis of paraffinembedded human normal colon slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

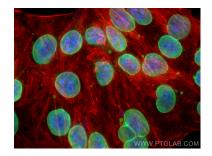






Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed human skin cancer tissue using 12987-1-AP (Lamin B1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Lamin B1 antibody (12987-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).