For Research Use Only

## Lamin B1 Polyclonal antibody

Catalog Number: 12987-1-AP 978 Publications



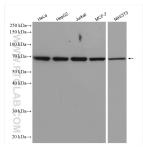
nk Accession Number: 295 D (NCBI): IBL Gene ID: 00000113368 DT ID: D ame: B1 ated MW: ved MW: kDa	Antigen affinity purification Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF 1:200-1:800
562 cells, Y79 cells, mouse eye tissue, H NIH/3T3 cell IP : HeLa cell mbyx IHC : mouse I kidney tissue cancer tissue	lls, U-937 cells, mouse spleen tissue, K- 9 cells, mouse pancreas tissue, SH-SY5Y kidney tissue, mouse lung tissue, mouse lepG2 cells, Jurkat cells, MCF-7 cells, .s, RAW 264.7 cells .s, heart tissue, human kidney tissue, mouse e, human colon cancer tissue, human liver
nework for the nuclear envelo ional matrix of proteins locate atrix and are highly conserved in proteins are phosphorylate ype proteins, B1. Expression o	oplasmic side of the inner nuclear ope and may also interact with chromatin ed next to the inner nuclear membrane. d in evolution. During mitosis, the lamina ed. Vertebrate lamins consist of two types of uncleavable mutant lamin A or B caused nkage during apoptosis (PMID:11953316). een removed.
Journal	Application
Int J Mol Sci	WB
Transl Oncol	WB
Mol Cell Biochem	WB
	Mol Cell Biochem ment. erol pH 7.3.

For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



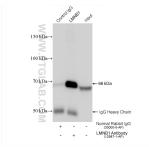
Various lysates were subjected to SDS PAGE followed by western blot with 12987-1-AP (Lamin B1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



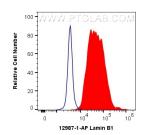
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 12987-1-AP (Lamin B1 antibody) at dilution of 1:200 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



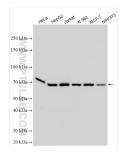
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



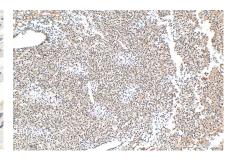
Various lysates were subjected to SDS PAGE followed by western blot with 12987-1-AP (Lamin B1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



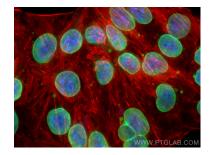
Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 12987-1-AP (Lamin B1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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).