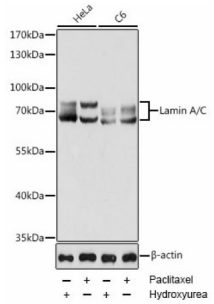
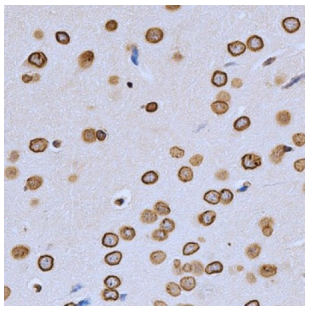
Lamin A (LMNA) Antibody

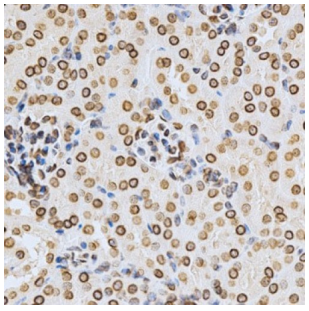
Catalogue No.:abx000634



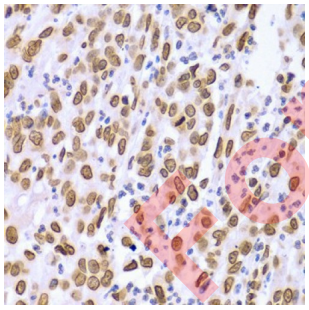
Western blot analysis of extracts of various cell lines using Lamin A/C Antibody (1/1000 dilution). HeLa cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours or treated by Paclitaxel (100 nM/ml) at 37°C for 20 hours. C6 cells were treated by Hydroxyurea (4 mM) at 37°C for 20 hours or treated by Paclitaxel (100 nM) at 37°C for 20 hours.



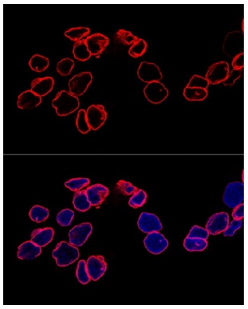
Immunohistochemistry of paraffin-embedded Rat brain using Lamin A/C Antibody (1/200 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse kidney using Lamin A/C Antibody (1/200 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human gastric cancer using Lamin A/C Antibody (1/100 dilution, 40x lens).



Confocal immunofluorescence analysis of A-431 cells using Lamin A/C Antibody (1/200 dilution). Blue: DAPI for nuclear staining.

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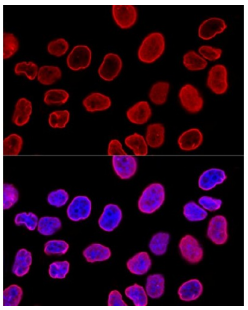
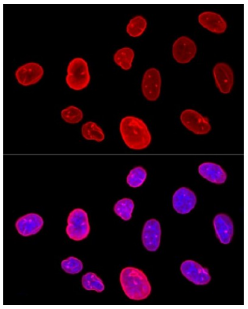
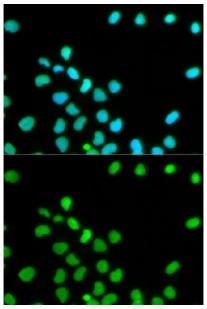


Confocal immunofluorescence analysis of HeLa cells using Lamin A/C Antibody (1/200 dilution). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U-2 OS cells using Lamin A/C Antibody (1/200 dilution). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Lamin A/C Antibody

LMNA Antibody is a Rabbit Polyclonal antibody against LMNA. The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.

Target:	Lamin A (LMNA)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

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Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human Lamin C
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P02545 (UniProt, ExPASy)
Gene Symbol:	LMNA
GeneID:	4000
NCBI Accession:	NP_733821.1
KEGG:	hsa:4000
String:	9606.ENSP00000357283
Molecular Weight:	Calculated MW: 62-74 kDa Observed MW: 69 kDa/72 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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