

# Lamin A/C Polyclonal Antibody

<b>Catalog No</b>	A0249	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB, IHC, IF	<b>Observed MW</b>	74kDa
<b>Cross-Reactivity</b>	Human, Mouse, Rat	<b>Calculated MW</b>	62-74kDa

**Immunogen Information**

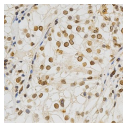
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 403-572 of human Lamin C (NP_005563.1).
<b>Gene ID</b>	4000
<b>Swiss Prot</b>	P02545
<b>Synonyms</b>	CDCD1, CDCD, CMD1A, CMT2B1, EMD2, FPL, FPLD, FPLD2, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, LMNL1, MADA, PRO1, CDCD1, CDCD, CMD1A, CMT2B1, EMD2, FPL, FPLD, FPLD2, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, LMNL1, PRO1

**Product information**

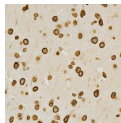
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Background**

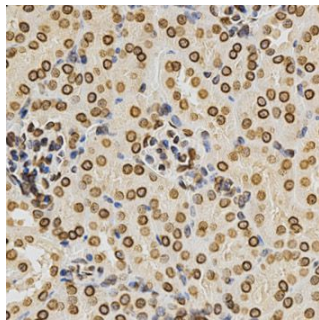
The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. 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.



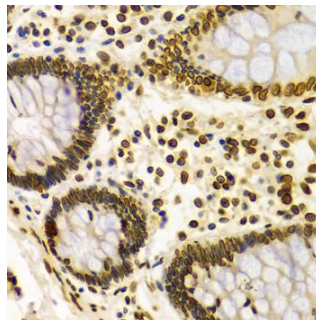
Immunohistochemistry of paraffin-embedded human kidney cancer using Lamin A/C antibody (A0249) at dilution of 1:200 (40x lens).



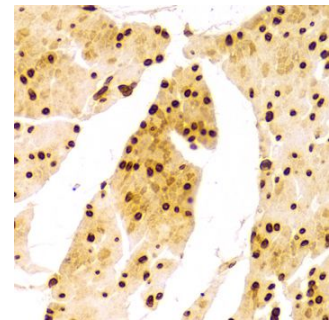
Immunohistochemistry of paraffin-embedded mouse brain using Lamin A/C antibody (A0249) at dilution of 1:200 (40x lens).



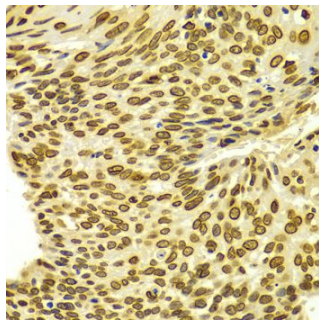
Immunohistochemistry of paraffin-embedded mouse kidney using Lamin A/C antibody (A0249) at dilution of 1:200 (40x lens).



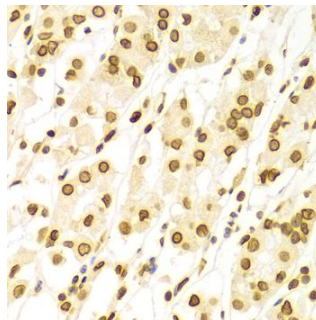
Immunohistochemistry of paraffin-embedded Human colon using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



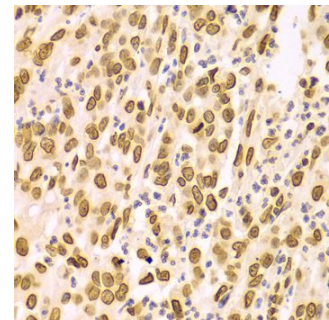
Immunohistochemistry of paraffin-embedded Human esophageal using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal cancer using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



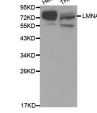
Immunohistochemistry of paraffin-embedded Human gastric using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



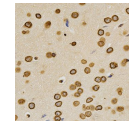
Immunohistochemistry of paraffin-embedded Human gastric cancer using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).

**Recommended Dilutions**

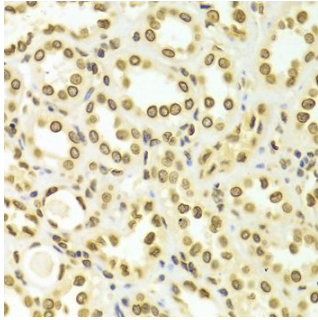
WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200



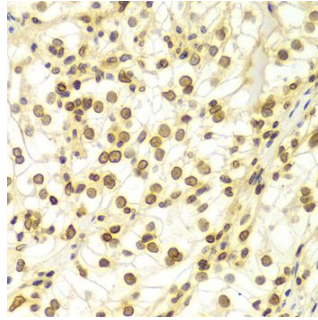
Western blot analysis of extracts of various cell lines, using Lamin A/C antibody (A0249) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



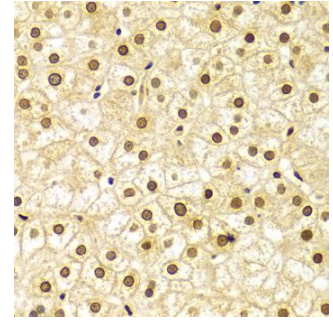
Immunohistochemistry of paraffin-embedded rat brain using Lamin A/C antibody (A0249) at dilution of 1:200 (40x lens).



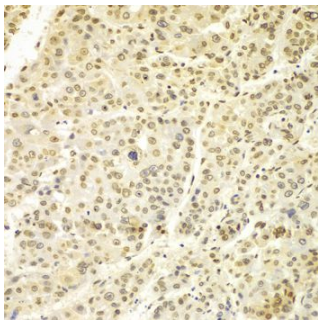
Immunohistochemistry of paraffin-embedded Human kidney using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



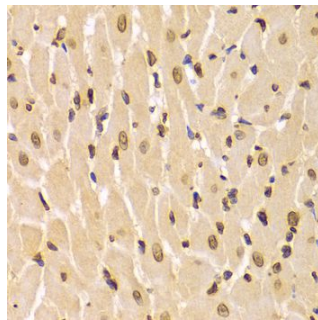
Immunohistochemistry of paraffin-embedded Human kidney cancer using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



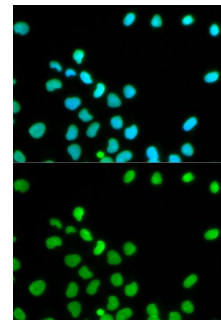
Immunohistochemistry of paraffin-embedded Human liver injury using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Rat heart using Lamin A/C antibody (A0249) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using Lamin A/C antibody (A0249). Blue: DAPI for nuclear staining.