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Product datasheet for TA308920

Lamin A (LMNA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Chimpanzee)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment contain a sequence corresponding to a region within amino acids 59 and 572 of Lamin A/C
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	lamin A/C
Database Link:	NP_733822 Entrez Gene 4000 Human P02545

View online »

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. Through alternate splicing, this gene encodes three type A lamin isoforms. 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. [provided by RefSeq]

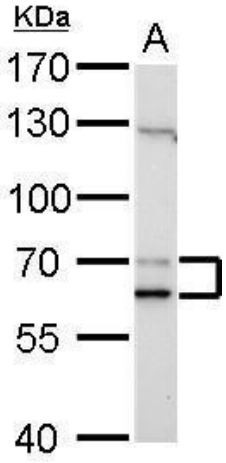
Synonyms: CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC

Note: Seq homology of immunogen across species: Chimpanzee (100%)

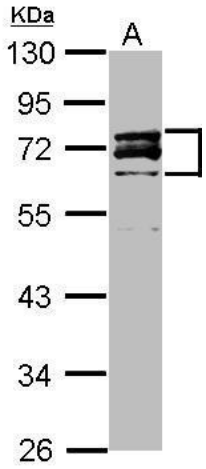
Protein Families: Druggable Genome

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

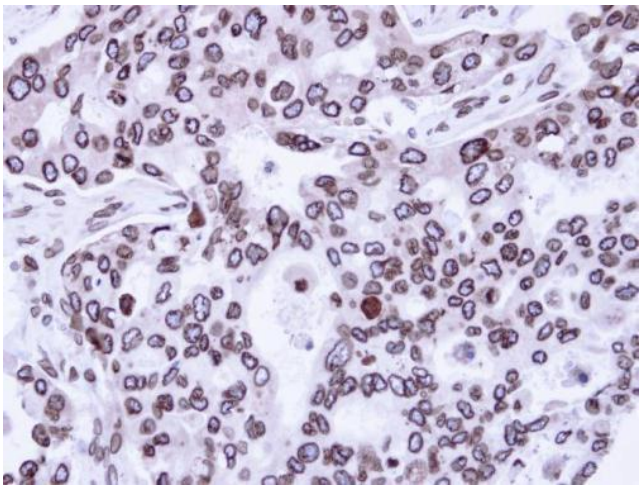
Product images:



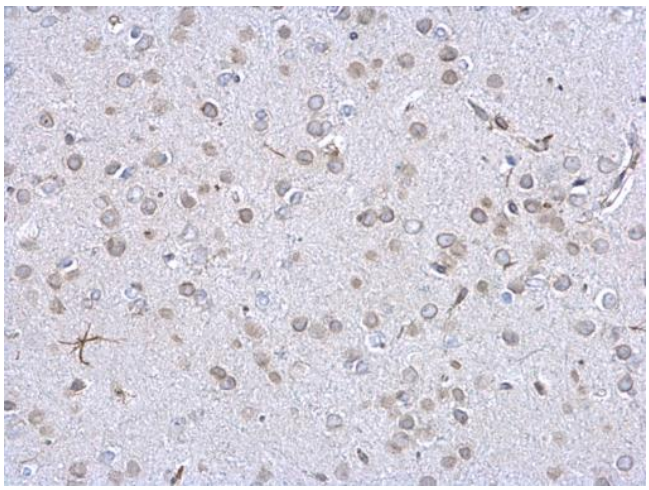
Lamin A/C antibody detects LMNA protein by Western blot analysis. A. 30 ug NIH-3T3 whole cell lysate/extract. 7.5 % SDS-PAGE. Lamin A/C antibody (TA308920) dilution: 1:1000



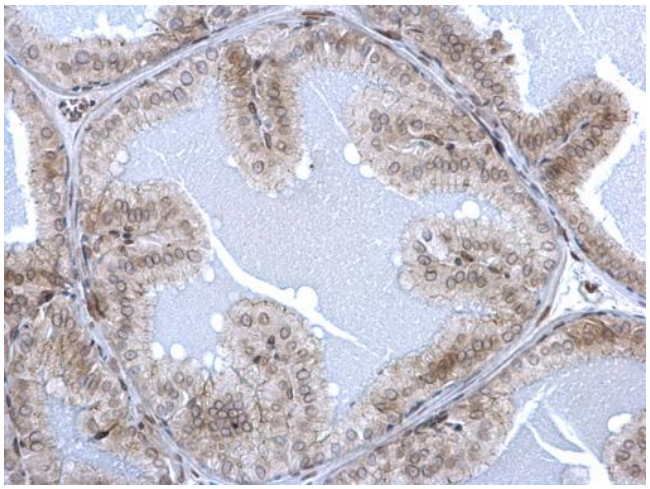
Sample (20 ug). A: HeLa Nucleus. 10% SDS PAGE. TA308920 diluted at 1:3000.



Immunohistochemical analysis of paraffin-embedded H441 Xenograft, using Lamin A/C (TA308920) antibody at 1:100 dilution.



Lamin A/C antibody detects Lamin A/C protein at nuclear envelope on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. Lamin A/C antibody (TA308920) dilution: 1:500.



Lamin A/C antibody detects Lamin A/C protein at nuclear envelope on mouse prostate by immunohistochemical analysis. Sample: Paraffin-embedded mouse prostate. Lamin A/C antibody (TA308920) dilution: 1:500.