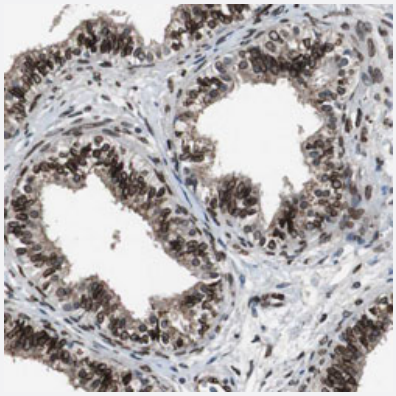
LMNA polyclonal antibody

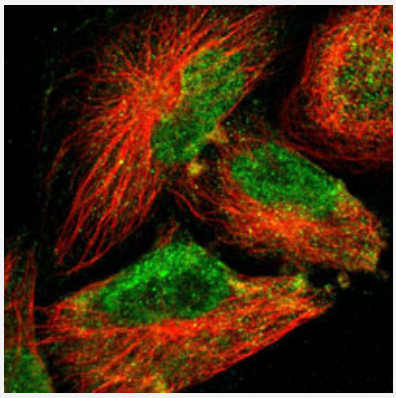
Catalog # PAB30761 Size 100 uL

Applications



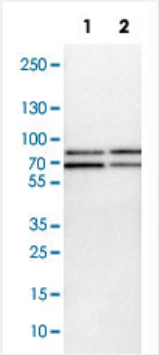
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human epididymis with LMNA polyclonal antibody (Cat # PAB30761) shows strong nuclear membrane positivity in glandular cells.



Immunofluorescence

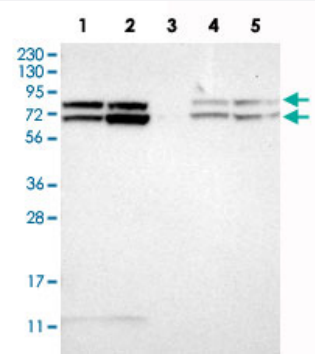
Immunofluorescent staining of U-251 MG with LMNA polyclonal antibody (Cat # PAB30761) (Green) shows positivity in nucleus and cytoplasm.



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with LMNA polyclonal antibody (Cat # PAB30761).

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Western Blot

Western Blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: human plasma (IgG/HSA depleted), Lane 4: human liver and Lane 5: human tonsil lysates with LMNA polyclonal antibody (Cat # PAB30761).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human LMNA.
Immunogen	Recombinant protein corresponding to human LMNA.
Sequence	EVVSREVSGIKAAYEAELGDARKTLDSVAKERARLQLELSKVREEFKELKARNTKKEGDLIAAQA RLKDLEALLNSKEAALSTALSEKRTLEGELHDLRGQVAKLEAALGEAKKQLQDEMLRRVDAENR LQTMKEELDFQKNIYSEELRE
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human epididymis with LMNA polyclonal antibody (Cat # PAB30761) shows strong nuclear membrane positivity in glandular cells.

- Immunofluorescence

  Immunofluorescent staining of U-251 MG with LMNA polyclonal antibody (Cat # PAB30761) (Green) shows positivity in nucleus and cytoplasm.

- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with LMNA polyclonal antibody (Cat # PAB30761).

- Western Blot

  Western Blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: human plasma (IgG/HSA depleted), Lane 4: human liver and Lane 5: human tonsil lysates with LMNA polyclonal antibody (Cat # PAB30761).

Gene Info — LMNA

Entrez GeneID	4000
Protein Accession#	P02545
Gene Name	LMNA
Gene Alias	CDCD1, CDDC, CMD1A, CMT2B1, EMD2, FPL, FPLD, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, PRO1
Gene Description	lamin A/C
Omim ID	115200 150330 151660 159001 176670 181350 248370 275210 277700 604929 605588 607920 608056
Gene Ontology	Hyperlink
Gene Summary	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

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Other Designations	70 kDa lamin|OTTHUMP00000015843|OTTHUMP00000015848

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Hypertrophic cardiomyopathy (HCM)

Disease

- Aging
- Alzheimer disease
- Arrhythmia
- Atherosclerosis
- Atrial Fibrillation
- Calcinosis
- Cardiomyopathy
- Cardiovascular Diseases
- Cerebrovascular Disorders
- Charcot-Marie-Tooth Disease
- Cognition
- Cognition Disorders
- Coronary Artery Disease
- Death
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Genetic Predisposition to Disease
- Heart Failure

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- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertriglyceridemia
- Insulin Resistance
- Kidney Failure
- Metabolic Syndrome X
- Obesity
- Polycystic Ovary Syndrome
- Syndrome
- Ventricular Dysfunction

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