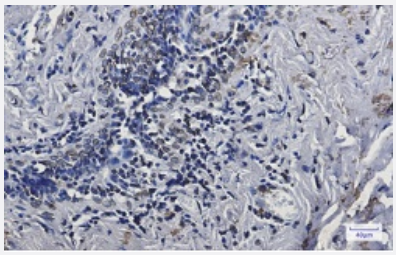
RecomAb™

LMNA recombinant monoclonal antibody, clone R06-7H5

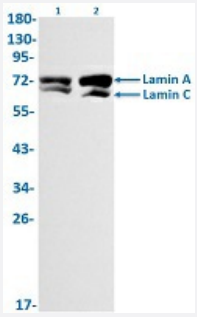
Catalog # RAB02145 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human breast cancer with LMNA recombinant monoclonal antibody, clone R06-7H5 (Cat # RAB02145). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western Blot

Western Blot analysis of Lane 1: 3T3 and Lane 2: Hela lysates with LMNA recombinant monoclonal antibody, clone R06-7H5 (Cat # RAB02145).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human LMNA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human LMNA.
Theoretical MW (kDa)	Calculated MW: 74 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	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

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

  Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human breast cancer with LMNA recombinant monoclonal antibody, clone R06-7H5 (Cat # RAB02145). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunofluorescence

- Immunoprecipitation

- Western Blot

  Western Blot analysis of Lane 1: 3T3 and Lane 2: Hela lysates with LMNA recombinant monoclonal antibody, clone R06-7H5 (Cat # RAB02145).

Gene Info — LMNA

Entrez GeneID	4000
Protein Accession#	P02545
Gene Name	LMNA

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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
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

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- Charcot-Marie-Tooth Disease
- Cognition
- Cognition Disorders
- Coronary Artery Disease
- Death
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Genetic Predisposition to Disease
- Heart Failure
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertriglyceridemia
- Insulin Resistance
- Kidney Failure
- Metabolic Syndrome X
- Obesity
- Polycystic Ovary Syndrome
- Syndrome
- Ventricular Dysfunction

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