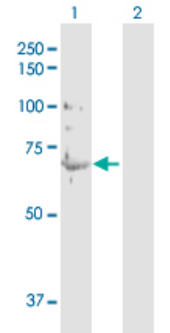
MaxPab®

LMNA purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004000-D01P Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of LMNA expression in transfected 293T cell line (H00004000-T02) by LMNA MaxPab polyclonal antibody.

Lane 1: LMNA transfected lysate(74.10 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human LMNA protein.
Immunogen	LMNA (NP_733821.1, 1 a.a. ~ 664 a.a) full-length human protein.
Sequence	METPSQRRATRSGAQASSTPLSPTRITRLQEKEDLQELNDRLAVYIDRVRSLETENAGLRLRITESE EVVSREVSGIKAAYEAELGDARKTLDSVAKERARLQLELSKVREEFKELKARNTKKEGDLIAAQA RLKDLEALLNSKEAALSTALSEKRTLEGELHDLRGQVAKLEAALGEAKKQLQDEMLRRVDAENR LQTMKEELDFQKNIYSEELRETKRRHETRLVEIDNGKQREFESRLADALQELRAQHEDQVEQYKK ELEKTYSAKLDNARQSAERNSNLVGAAHEELQQSRIRIDSLSAQLSQLQKQLAAKEAKLRDLEDS LARERDTSRRLLAEKEREMAEMRARMQQQLDEYQELLDIKLALDMEIHAYRKLLEGEEERLRLSP SPTSQRSRGRASSHSSQTQGGGSVTKKRKLESTESRSSFSQHARTSGRVAVEEVDEEGKFVRL RNKSNEDQSMGNWQIKRQNGDDPLLTYRFPPKFTLKAGQVVTIWAAGAGATHSPPTDLVWKAQ NTWGCGNSLRTALINSTGEEVAMRKLVRSVTVVEDDEDEDGDDLLHHHHGSHCSSSGDPAEYN LRSRTVLCGTCGQPADKASASGSGAQVGGPISSGSSASSVTVTRSYRSVGGSGGGSFGDNLVT RSYLLGNSSPRTQSPQNCSIM
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

Gene Info — LMNA

Entrez GeneID	4000
GeneBank Accession#	NM_170707.1
Protein Accession#	NP_733821.1
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
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
- Hyperglycemia

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