



# Anti-LMNA polyclonal antibody (DPABH-15372)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. Lamin A and C are present in equal amounts in the lamina of mammals. Play an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics. Prelamin-A/C can accelerate smooth muscle cell senescence. It acts to disrupt mitosis and induce DNA damage in vascular smooth muscle cells (VSMCs), leading to mitotic failure, genomic instability, and premature senescence. |
| <b>Immunogen</b>           | Synthetic peptide conjugated to KLH derived from within residues 550 to the C-terminus of Human Lamin A.  |
| <b>Isotype</b>             | IgG   |
| <b>Source/Host</b>         | Rabbit  |
| <b>Species Reactivity</b>  | Mouse, Rat, Human   |
| <b>Purification</b>        | Immunogen affinity purified   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | ICC, IHC-P, ICC/IF, WB  |
| <b>Format</b>              | Liquid  |
| <b>Size</b>                | 100 µg  |
| <b>Buffer</b>              | Constituents: 1% BSA, PBS. pH 7.4   |
| <b>Preservative</b>        | Preservative: 0.02% Sodium Azide  |
| <b>Storage</b>             | Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  |

# GENE INFORMATION

|                 |   |
|-----------------|---|
| Gene Name       | <a href="#">LMNA lamin A/C [ Homo sapiens ]</a>   |
| Official Symbol | LMNA  |
| Synonyms        | LMNA; lamin A/C; FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B; lamin; 70 kDa lamin; prelamin-A/C; lamin A/C-like 1; renal carcinoma antigen NY-REN-32; |
| Entrez Gene ID  | <a href="#">4000</a>  |
| Protein Refseq  | <a href="#">NP_001244303.1</a>  |
| UniProt ID      | <a href="#">P02545</a>  |
| Pathway         | Adipogenesis; Apoptotic cleavage of cellular proteins; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC)  |
| Function        | protein binding; structural molecule activity; structural molecule activity;  |