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# Anti-Lamin A/C Antibody

Our Anti-Lamin A/C primary antibody from PhosphoSolutions is mouse monoclonal. It detects human Lami
Catalog # AN1433

## Product Information

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| **Application** | WB, IHC, ICC |
| **Primary Accession** | P02545 |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone Names** | 4C4 |
| **Calculated MW** | 74139 |

## Additional Information

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| **Gene ID** | 4000 |
| **Other Names** | 70 kDa lamin antibody, Cardiomyopathy dilated 1A (autosomal dominant) antibody, CDCD1 antibody, CDDC antibody, CMD1A antibody, CMT2B1 antibody, EMD2 antibody, FPL antibody, FPLD antibody, FPLD2 antibody, HGPS antibody, IDC antibody, Lamin A antibody, Lamin A/C antibody, Lamin A/C like 1 antibody, Lamin antibody, Lamin C antibody, Lamin-A/C antibody, LDP1 antibody, LFP antibody, LGMD1B antibody, Limb girdle muscular dystrophy 1B (autosomal dominant) antibody, LMN 1 antibody, LMN A antibody, LMN C antibody, LMN1 antibody, LMNA antibody, LMNA_HUMAN antibody, LMNC antibody, LMNL1 antibody, Prelamin A/C antibody, PRO1 antibody, Renal carcinoma antigen NY REN 32 antibody, Renal carcinoma antigen NY-REN-32 antibody, Renal carcinoma antigen NYREN32 antibody |
| **Target/Specificity** | Lamins A and C are nuclear structural proteins that are part of the intermediate filament family and coded for by the same gene (LMNA). Lamins A and C are nearly identical except for their carboxy termini (McKeon et al., 1986). Mutations in the gene encoding lamins A/C have been shown to cause a variety of diseases including autosomal dominant Emery-Dreifuss muscular dystrophy (Bonne et al., 1995), autosomal dominant limbgirdle muscular dystrophy (Muchir et al., 2000) and Charcot-Marie-Tooth disorder type 2 (De Sandre-Giavonnoli et al., 2002). |
| **Dilution** | WB~~1:1000 IHC~~1:100~500 ICC~~N/A |
| **Format** | Protein G Purified |
| **Storage** | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | Anti-Lamin A/C Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

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| **Shipping** | Blue Ice |

## Background

Lamins A and C are nuclear structural proteins that are part of the intermediate filament family and coded for by the same gene (LMNA). Lamins A and C are nearly identical except for their carboxy termini (McKeon et al., 1986). Mutations in the gene encoding lamins A/C have been shown to cause a variety of diseases including autosomal dominant Emery-Dreifuss muscular dystrophy (Bonne et al., 1995), autosomal dominant limbgirdle muscular dystrophy (Muchir et al., 2000) and Charcot-Marie-Tooth disorder type 2 (De Sandre-Giavonnoli et al., 2002).