Recombinant DGRmAb®

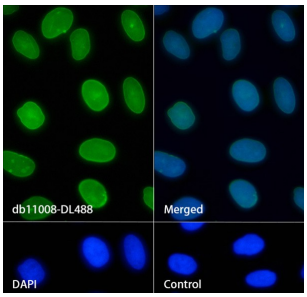
# Lamin A/C (DGR31266) Rabbit mAb (AF488)

**db11008-DL488** **Package : 100μL**

**Product Name :** Lamin A/C (DGR31266) Rabbit mAb (AF488)
**Cat.No.:** db11008-DL488
**Synonyms :** FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; MADA; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B
**Application :** IHC-P, ICC/IF
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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| **Background** | 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. Alternative splicing results in multiple transcript variants. 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, Apr 2012] |
| **Immunogen** | A synthetic peptide of human Lamin A/C |
| **Gene ID** | 4000 |
| **Swiss Prot** | P02545 |
| **Synonyms** | FPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; MADA; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B |
| **Reactivity** | Human, Mouse, Rat |
| **Application** | IHC-P, ICC/IF |
| **Recommended dilution** | ICC/IF: 1:2000 |
| **Calculated MW** | 74 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR31266 |

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| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | AF488 |
| **Concentration** | 1 mg/mL |
| **Storage Stability** | Store at -20°C. Avoid exposure to light. Supplied in PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Stable for 12 months from date of receipt. |




Immunofluorescence analysis of HeLa cells labelling Lamin A/C with db11008-DL488.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11008-DL488 (1:2000, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: DAPI only.