

Recombinant

DGRmAb®

Lamin A/C (DGR31266) Rabbit mAb

db11008

Package : 10µL 20µL 50µL 100µL

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

SynonymsFPL; IDC; LFP; CDDC; EMD2; FPLD; HGPS; LDP1; LMN1; LMNC; MADA; PRO1; CDCD1;
CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B**Reactivity**

Human, Mouse, Rat

Application

WB, IHC-P, ICC/IF

Recommended dilutionWB: 1:2000-1:20000
IHC-P: 1:100-1:200
ICC/IF: 1:200-1:500**Calculated MW**

74 kDa

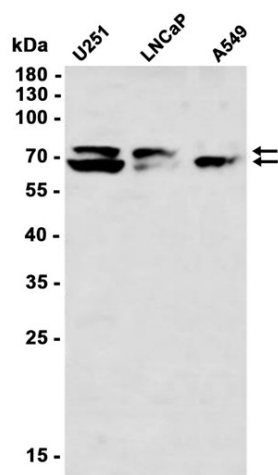
Observed MW

74,63 kDa

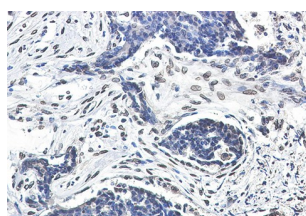
Host species

Rabbit

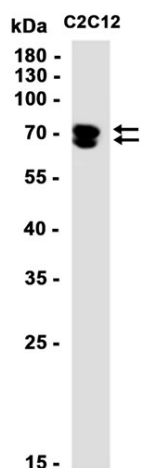
Clonality	Monoclonal
Clonality No.	DGR31266
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



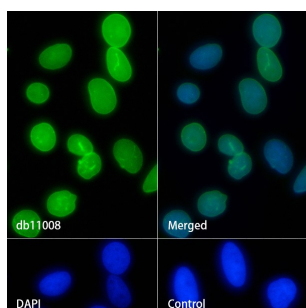
Western blot analysis of extracts from U251, LNCaP, A549 cells using db11008 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human breast cancer using db11008 antibody.



Western blot analysis of extracts from C2C12 cells using db11008 at 1:1000.



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

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 (1:200) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.

