

Recombinant

DGRmAb®

## Lamin B1 (DGR16498) Rabbit mAb (PBS Only)

db16165-PBS

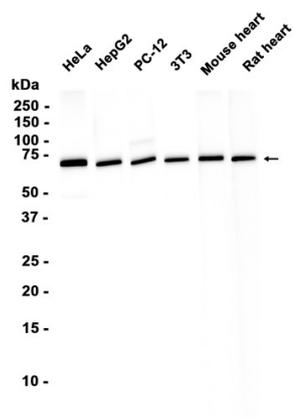
Package : 10µg 100µg

**Product Name** : Lamin B1 (DGR16498) Rabbit mAb (PBS Only)**Cat.No.:** db16165-PBS**Synonyms** : LMN; ADLD; LMN2; LMNB; MCPH26**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit

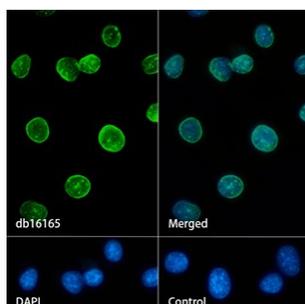
<b>Background</b>	This gene encodes one of the two B-type lamin proteins and is a component of the nuclear lamina. A duplication of this gene is associated with autosomal dominant adult-onset leukodystrophy (ADLD). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
<b>Immunogen</b>	Recombinant protein of human Lamin B1
<b>Gene ID</b>	4001, 16906, 116685
<b>Swiss Prot</b>	P20700, P14733, P70615
<b>Synonyms</b>	LMN; ADLD; LMN2; LMNB; MCPH26
<b>Reactivity</b>	Human,Mouse,Rat
<b>Application</b>	WB, IHC-P, ICC/IF, FC, IP
<b>Calculated MW</b>	66 kDa
<b>Observed MW</b>	70 kDa
<b>Host species</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR16498
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only

**Storage Stability**

Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



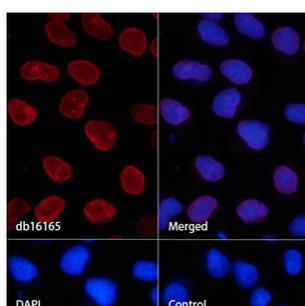
Western blot analysis of extracts from HeLa, HepG2, PC-12, 3T3 cells and Mouse heart, Rat heart tissues using db16165 at 1:1000.



Immunofluorescence analysis of 3T3 cells labelling Lamin B1 with db16165.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 db16165 (1:500) at room temprature 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.



Immunofluorescence analysis of HeLa cells labelling Lamin B1 with db16165.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 db16165 (1:500) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF647(db10006, shown in red). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.