

## Basic Information

<b>Product Name</b>	Anti-Lamin A/C Antibody (Clone#BEO-12)	
<b>Gene Name</b>	LMNA	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Monoclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human	
<b>Tested Application</b>	WB, IHC, ICC/IF, IP, FCM	
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	A synthesized peptide derived from human Lamin A/C	
<b>Purification</b>	Affinity-chromatography	
<b>Observed MW</b>	74 kDa	
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-200 ImmunoPrecipitation (IP): 1:20 Flow Cytometry (FCM): 1:20	

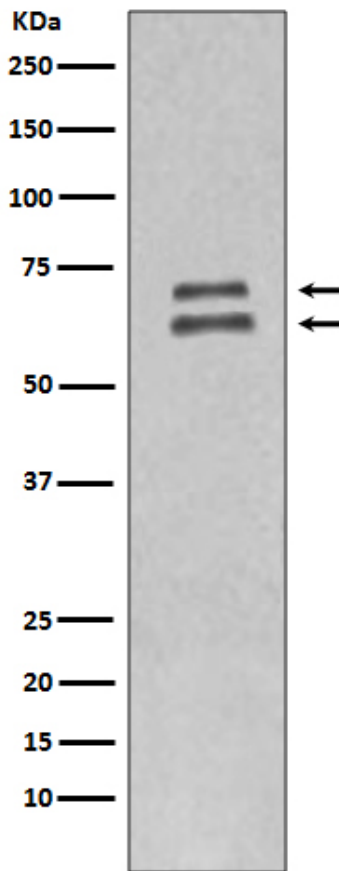
## Storage

12 months from date of receipt, -20°C as supplied.

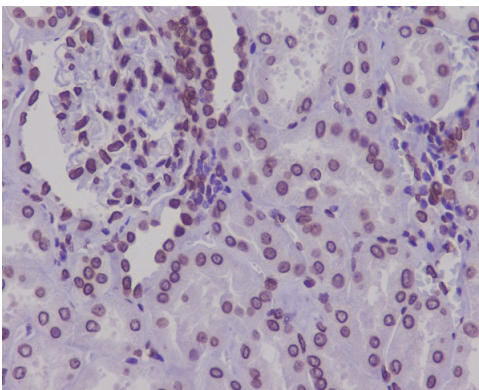
## Background Information

Lamins are structural protein components of the nuclear lamina, a protein network underlying the inner nuclear membrane that determines nuclear shape and size. There are three types of lamins, A, B and C. The lamin A/C (LMNA) gene contains 12 exons. Alternative splicing within exon 10 gives rise to two different mRNAs that code for pre-lamin A and lamin C. Lamin A/C is mapped to 1q21.2-q21.3 and mutations in this gene cause a variety of human diseases including Emery-Dreifuss muscular dystrophy, dilated cardiomyopathy, and Hutchinson-Gilford progeria syndrome. Lamin A/C deficiency is thus associated with both defective nuclear mechanics and impaired mechanically activated gene transcription.

## Selected Validation Data



Western blot analysis of Lamin A/C expression in HeLa whole cell lysates.



Immunohistochemical analysis of paraffin-embedded human kidney, using Lamin A/C Antibody.

Product datasheet

**Anti-Lamin A/C Antibody  
(Clone#BEO-12)**

**Catalog Number: BM4105**

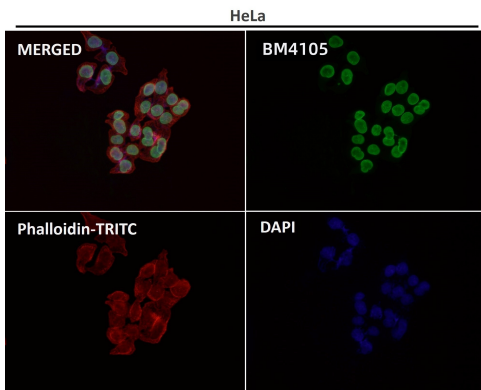


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Immunofluorescent analysis using the Antibody.