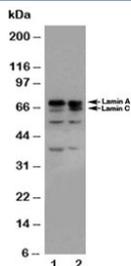


Lamin A/C Antibody (R30269)

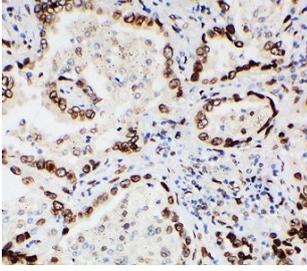
Catalog No.	Formulation	Size
R30269	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

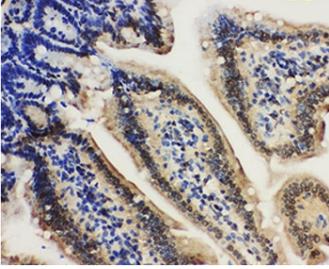
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P02545
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
Limitations	This Lamin A/C antibody is available for research use only.



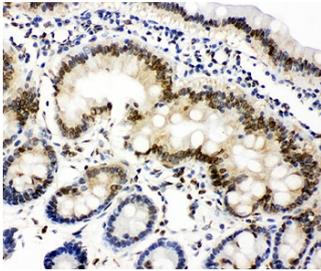
Western blot testing of Lamin A/C antibody and Lane 1: HeLa; 2: A431 cell lysate. Predicted molecular weight ~74 & 65 kDa.



IHC-P: Lamin A/C antibody testing of human lung cancer tissue



IHC-P: Lamin A/C antibody testing of mouse intestine tissue



IHC-P: Lamin A/C antibody testing of rat intestine tissue

Description

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 C. Lamin A/C 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. Protein deficiency is thus associated with both defective nuclear mechanics and impaired mechanically activated gene transcription.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Lamin A/C antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 455-469 (RNKSNEDQSMGNWQI) were used as the immunogen for this Lamin A/C antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the Lamin A/C antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

