

## Anti-Lamin A/C Rabbit mAb

Purified Rabbit Monoclonal Antibody

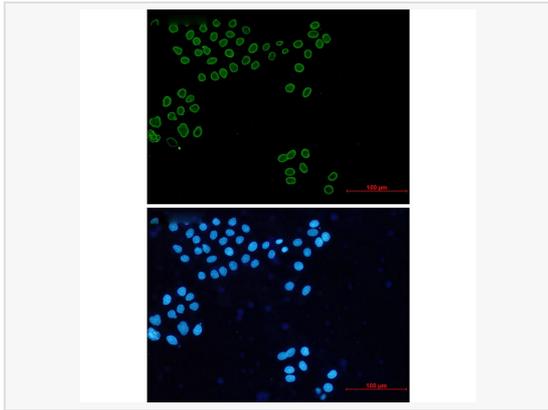
Catalog # R011495

### Product Information

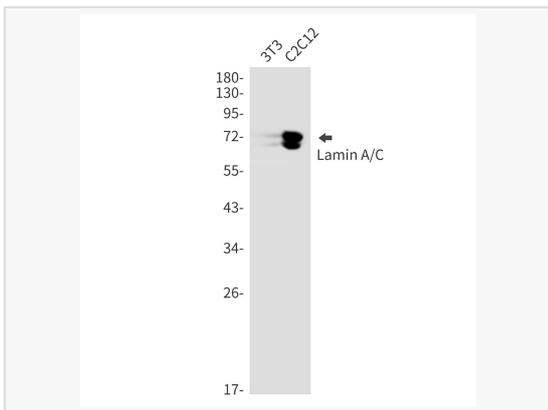
Application	ICC/IF (Cell), ELISA, WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	69M64L52
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Lamin A/C
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Lamin A/C antibody [69M64L52] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

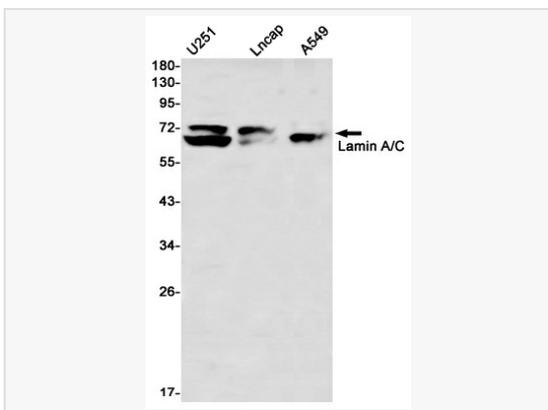
Synonyms	LMNA, LMN1, Prelamin-A/C.
Calculated MW	Calculated MW: 74 kDa; Observed MW: 74,63 kDa
Uniprot ID	P02545
Gene ID	4000
Background	Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. Lamin A and C are present in equal amounts in the lamina of mammals. Play an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics. Prelamin-A/C can accelerate smooth muscle cell senescence. It acts to disrupt mitosis and induce DNA damage in vascular smooth muscle cells (VSMCs), leading to mitotic failure, genomic instability, and premature senescence.



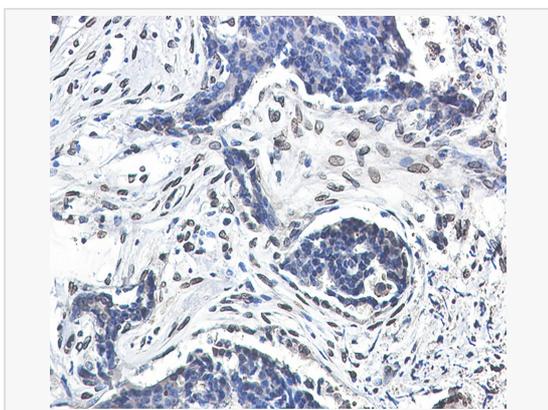
Immunocytochemistry analysis of Lamin A/C (green) in HeLa using Lamin A/C antibody and DAPI (blue) .



Western blot analysis of Lamin A/C in 3T3, C2C12 lysates using Lamin A/C antibody.



Western blot analysis of Lamin A/C in U251, Lncap, A549 lysates using Lamin A/C antibody



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Lamin A/C antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.