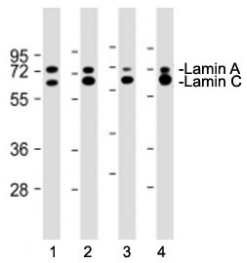
Lamin A/C Antibody [clone 1073CT3.1.3] (F54082)

Catalog No.	Formulation	Size
F54082-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54082-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1073CT3.1.3
Purity	Protein G purified
UniProt	P02545
Applications	Western Blot : 1:4000
Limitations	This Lamin A/C antibody is available for research use only.



Western blot testing of Lamin A/C antibody at 1:4000: Lane 1) human HeLa, 2) rat C6, 3) mouse L929 and 4) mouse NIH3T3 cell lysate. Predicted molecular weight ~74 & 65 kDa.

Description

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. Plays an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics. Required for normal development of peripheral nervous system and skeletal muscle and for muscle satellite cell proliferation. Required for osteoblastogenesis and bone formation. Also

prevents fat infiltration of muscle and bone marrow, helping to maintain the volume and strength of skeletal muscle and bone. [UniProt]

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

Recombinant human LMNA was used as the immunogen for the Lamin A/C antibody.

Storage

Aliquot the LMNA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.