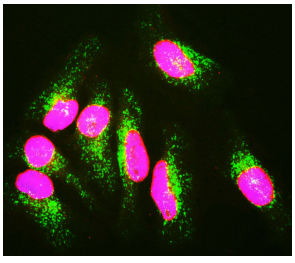
Anti-Lamin A + Lamin C Antibody (A85443)

Specifications:

Name:	Anti-Lamin A + Lamin C Antibody
Description:	Chicken polyclonal antibody to Lamin A + Lamin C.
Applications:	WB, ICC/IF
Recommended Dilutions:	WB: 1:2,000, ICC/IF: 1:1,000
Reactivity:	Human, Rat, Mouse, Horse, Monkey, Canine
Immunogen:	Recombinant full-length human Lamin A, expressed in and purified from E. coli.
Host:	Chicken
Clonality:	Polyclonal
Isotype:	IgY
Conjugate:	Unconjugated
Molecular Weight:	65 kDa, 74 kDa
Purity:	IgY preparation.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of concentrated IgY preparation with 5mM Sodium Azide.
Storage:	Shipped at 4°C. Store at 4°C in the dark. Under these conditions, the antibodies have a minimum shelf life of 12 months (provided they remain sterile). Do not freeze unless you want to store long-term; please note, however, that each time an antibody preparation is frozen, about half of its binding activity is lost.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



HeLa cells staining with Anti-Lamin A/C Antibody (red), Anti-Lamp1 Antibody (A85309 | green) and DAPI (DNA | blue). The Anti-Lamin A/C Antibody reveals strong nuclear lamina staining, while Anti-Lamp1 Antibody reveals strong cytoplasmic punctate staining of lysosomes and early endosomes. Since both DNA (blue) and Lamin A/C (red) are associated with the nuclear compartment, this region appears crimson in this image.

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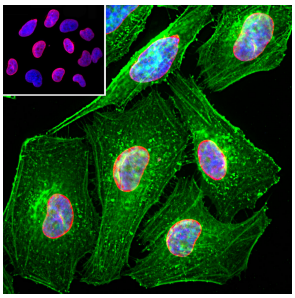
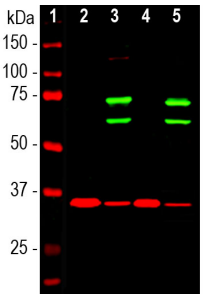
Images continued:



Immunofluorescent analysis of HeLa cells stained with Anti-Lamin A + C Antibody (A85443), at a dilution of 1:2,000 in red, and co-stained with Anti-Actin Antibody (A85388), at a dilution of 1:500, in green. The nuclear DNA is visualised in blue using Hoechst staining. The Anti-Lamin A + C Antibody (A85443) specifically labels the nuclear lamina, while the Anti-Actin Antibody (A85388) stains the submembranous actin-rich cytoskeleton, stress fibers and bundles of actin associated with cell adhesion sites.



Western blot analysis of cytosolic or nuclear enriched fractions of cell lines probed with Anti-Lamin A + C Antibody (A85443), at a dilution of 1:1,000, in green. The lanes contain samples of: [1] Protein standards, in red, [2] HeLa cytosol, [3] HeLa nuclear, [4] NIH-3T3 cytosol, and [5] NIH-3T3 nuclear fractions. Two strong bands at 65 kDa and 74 kDa correspond to Lamin A and Lamin C proteins respectively, detected exclusively in the nuclear fractions. The same blot was simultaneously probed with Anti-GAPDH Antibody (A85382), in red. The single band at 37 kDa represents GAPDH protein which is expressed predominantly in the cytosolic fractions.

Strip blot of crude HeLa cell extract stained with Anti-Lamin A/C Antibody. Note two strong clean bands at 74 kDa and 65 kDa, corresponding to Lamins A and C.