

## Anti-Lamin A/C Antibody



### Product Details

|                    |                                                                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:C-1698-100)                                                                                                                                                                                                                                               |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                          |
| Isotype            | IgY                                                                                                                                                                                                                                                                   |
| Host Species       | Chicken                                                                                                                                                                                                                                                               |
| Format             | Affinity-purified                                                                                                                                                                                                                                                     |
| Physical State     | Lyophilized                                                                                                                                                                                                                                                           |
| Buffer             | Lyophilized IgY preparation, with sodium azide.                                                                                                                                                                                                                       |
| Applications       | ICC, IHC, WB                                                                                                                                                                                                                                                          |
| Dilution Ranges    | WB: 1:1000-1:2000<br>ICC: 1:500-1:1000                                                                                                                                                                                                                                |
| Species Reactivity | Human                                                                                                                                                                                                                                                                 |
| Immunogen          | Full length recombinant human Lamin C                                                                                                                                                                                                                                 |
| Specificity        | Lamin A and Lamin C. The antibody reacts with a 74 kDa and 65 kDa band by Western blot on HeLa cell extract. It has also been used successfully for immunocytochemistry on HeLa cell cultures.                                                                        |
| Molecular Weight   | 74 kDa and 65 kDa                                                                                                                                                                                                                                                     |
| Storage            | Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles. |
| UniProt ID         | <a href="#">P02545</a>                                                                                                                                                                                                                                                |
| Country of Origin  | United States                                                                                                                                                                                                                                                         |
| Shipping           | 25°C (ambient)                                                                                                                                                                                                                                                        |

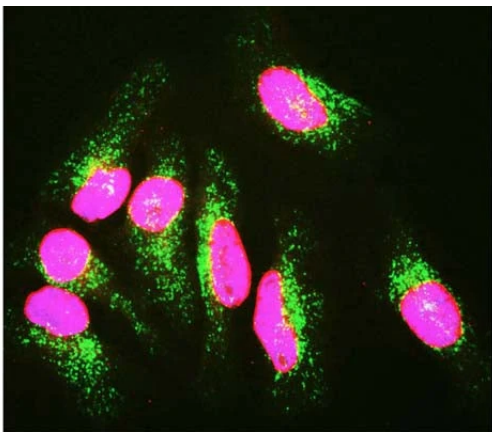
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|-----------------|--------------------------------------------------|
| Expiration      | 12 months after date of receipt (unopened vial). |
| Usage Statement | For research use only.                           |

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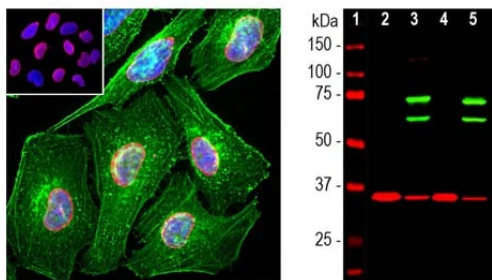
Product Images



Crude HeLa cell extract stained with Chicken anti-Lamin A/C. Two bands at 74 kDa and 65 kDa, corresponding to Lamin A and C.



HeLa cells stained with C-1698-100 (red), and counterstained with our monoclonal antibody to LAMP1 (M-1652-100). The Lamin A/C antibody reveals strong nuclear lamina staining, while the LAMP1 antibody reveals strong cytoplasmic punctate staining of lysosomes and early endosomes. The blue stain reveals DNA in the nuclei of these cells. Since both DNA (blue) and Lamin A/C (red) are associated with the nuclear compartment, this region appears crimson in this image.



**Left:** Analysis of lamin A/C expression in HeLa cells with chicken anti-lamin A/C (red, 1:2,000), costained with mouse anti-actin (green) by **Immunocytochemistry**. Blue: Hoechst nuclear DNA stain. The chicken antibody specifically labels the nuclear lamina, while the actin antibody stains the submembranous actin-rich cytoskeleton, stress fibers and bundles of actin associated with cell adhesion sites. **Right:** **Western blot** analysis of cytosolic or nuclear enriched fractions of cell lines probed with chicken anti-lamin A/C (green, 1:1,000). [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 mouse anti-GAPDH (M-1376-250, red). The single band at 37 kDa represents GAPDH protein

Product Page URL: [www.antibodiesinc.com/products/anti-lamin-a-c-antibody-c-1698-100](http://www.antibodiesinc.com/products/anti-lamin-a-c-antibody-c-1698-100)



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