

## 34-1057: Polyclonal Antibody to Lamin A/C

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB, IF/ICC
<b>Reactivity :</b>	Human, Rat, Mouse, Horse, Monkey, Dog
<b>Gene :</b>	LMNA
<b>Gene ID :</b>	4000
<b>Uniprot ID :</b>	P02545
<b>Format :</b>	Conc. IgY prep.
<b>Alternative Name :</b>	70 kDa lamin, Renal carcinoma antigen NY-REN-32, LMN1
<b>Isotype :</b>	Chicken, IgY
<b>Immunogen Information :</b>	Full length human Lamin A purified from E. coli.

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of IgY preparation.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB: 1:2,000. IF/ICC 1:1,000

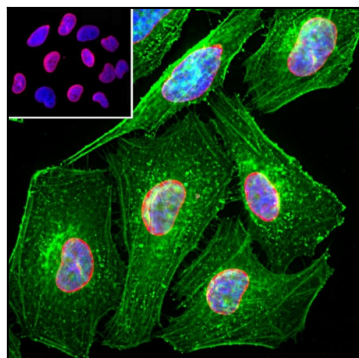


Figure-1: Immunofluorescent analysis of HeLa cells stained with chicken pAb to lamin A/C,(34-1057), dilution 1:2,000 in red, and costained with mouse mAb to actin,(34-1002), dilution 1:500, in green. The blue is Hoechst staining of nuclear DNA. The (34-1057) antibody specifically labels the nuclear lamina, while the actin antibody stains the submembranous actin-rich cytoskeleton, stress fibers and bundles of actin associated with cell adhesion sites.

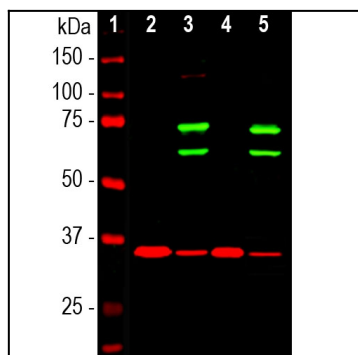


Figure-2: Western blot analysis of cytosolic or nuclear enriched fractions of cell lines probed with chicken pAb to lamin A/C,(34-1057), dilution 1:1,000 in green: [1] protein standard (red), [2] HeLa cytosol, [3] HeLa nuclear, [4] NIH-3T3 cytosol, and [5] NIH-3T3 nuclear fractions. Two strong bands at 65kDa and 74kDa correspond to lamin A and lamin C proteins respectively, detected exclusively in the nuclear fractions. The same blot was simultaneously probed with mouse mAb to GAPDH, (34-1047), in red. The single band at 37kDa represents GAPDH protein which is expressed predominantly in the cytosolic fractions.