

## 34-1058: Monoclonal Antibody to Lamin A/C (Clone: 4C4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	4C4
<b>Application :</b>	WB, IF/ICC
<b>Reactivity :</b>	Human, unreactive with rodent
<b>Gene :</b>	LMNA
<b>Gene ID :</b>	4000
<b>Uniprot ID :</b>	P02545
<b>Format :</b>	Purified
<b>Alternative Name :</b>	70 kDa lamin, Renal carcinoma antigen NY-REN-32, LMN1
<b>Isotype :</b>	Mouse, IgG1
<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 1 mg/ml of affinity purified antibody.
<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: 1:1,000-1:2,000. IF/ICC 1:1,000

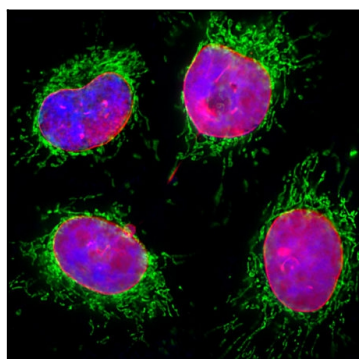


Figure-1: Immunofluorescent analysis of HeLa cells stained with mouse mAb to lamin A/C, (34-1058), dilution 1:2,000 in red, and costained with rabbit pAb to HSP60, dilution 1:5,000, in green. The blue is Hoechst staining of nuclear DNA. (34-1058) antibody specifically labels the nuclear lamina, while the rabbit pAb to HSP60 antibody reveals protein expressed in mitochondria.

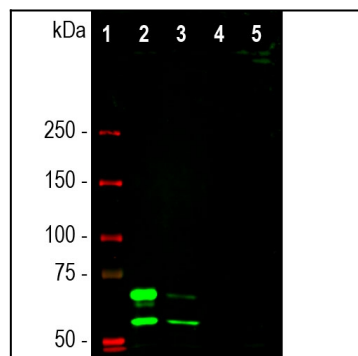


Figure-2: Western blot analysis of different cell lysates using mouse mAb to lamin A/C, (34-1058), dilution 1:1,000 in green: [1] protein standard (red), [2] HeLa, [3] HEK293 [4] C6, and [5] NIH-3T3 cell lysates. Two strong bands at 74 and 65 kDa correspond to the lamin A and lamin C proteins respectively, detected only in the cells of human origin. (34-1058) antibody failed to recognize rat or mouse proteins.