

## 45-1044: Rabbit Polyclonal Antibody to Lamin A+C(Discontinued)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Mouse,Human
<b>Gene :</b>	LMNA
<b>Gene ID :</b>	4000
<b>Uniprot ID :</b>	P02545
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Lamin A/C antibody, Renal carcinoma antigen NY-REN-32
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	KLH-coupled synthetic peptide within residues 400-450 of human Lamin A .

### Description

Lamins are structural protein components of the nuclear lamina which contains 3 members: Lamin A, B and C in mammalian cells. Lamin A and lamin C are generated by alternative splicing from the same gene and share complete identity for the first 566 amino acids. Lamin A interacts with transcription factor SREBP1 via its C-terminal domain. The lamin A/C deficiency is probably associated with both defective nuclear mechanics and impaired transcriptional activation. The lamin A/C is cleaved by caspase-6 and serves as a marker for caspase-6 activation. Rabbit Anti-Lamin A+C Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 400-450 of human Lamin A (Swiss Prot: P02545).

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Immunoaffinity chromatography
<b>Content :</b>	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
<b>Storage condition :</b>	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

### Application Note

**ELISA Capture:** 0.5-10 µg/ml  
**ELISA Detection:** 0.05-0.2 µg/ml  
**Western Blot:** 1-2 µg/ml  
**Flowcytometry analysis:** 1-2 µg/10<sup>6</sup>Cells

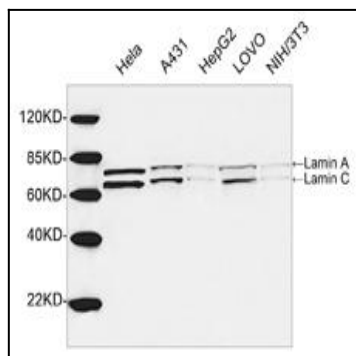


Figure-1 : Western blot analysis of Lamin A+C Antibody at 1 µg/ml on HeLa, A431, HepG2, LOVO, NIH/3T3 cell lysates, IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.

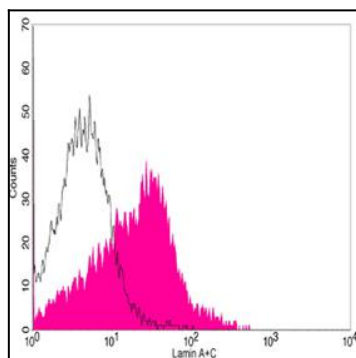


Figure-2 : Flow cytometric analysis of Lamin A+C Antibody on HepG2 cells, Shaded histogram represents Lamin A+C Antibody and open histogram represents isotype control. PE conjugated anti-rabbit IgG used as secondary antibody.