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

Clonality: Polyclonal Application: ELISA

Reactivity: Mouse, Human

Gene : LMNA
Gene ID : 4000
Uniprot ID : P02545
Format : Purified

Alternative Name: Lamin A/C antibody, Renal carcinoma antigen NY-REN-32

Isotype: Rabbit IgG

Immunogen Information: 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

Amount : 100 μg

Purification: Immunoaffinity chromatography

Content: 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

Storage condition: 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/10^6Cells



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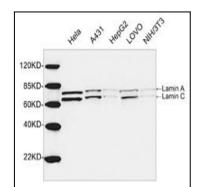


Figure-1 : Western blot analysis of Lamin A+C Antibody at 1 μ g/ml on HeLa, A431, HepG2, LOVO, NIH/3T3 cell lysates, IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.

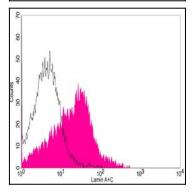


Figure-2: Flow cytometric analysis of Lamin A+C Antibody on HepG2 cells, Shaded histogram represents Lamin A+C Antibody and open histogram represents isotype control. PE conjugated anti-rabbit IgG used as secondary antibody.