

DATASHEET

Version: 2016-08-17

Lamin A+C Antibody, pAb, Rabbit

Cat. No.: A01455-100

Size: 100 µg

Synonyms: Lamin A/C antibody;

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.

GenScript **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).

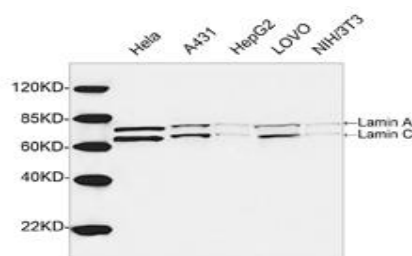
Immunogen: KLH-coupled synthetic peptide within residues 400-450 of human Lamin A (Swiss Prot: P02545).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Example



Formulation:

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

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-Lamin A+C Polyclonal Antibody detects endogenous levels of human and mouse Lamin A and Lamin C. It is predicted to react with rat Lamin A and Lamin C according to sequence homology.

Positive Control: HeLa, A431, LOVO and NIH/3T3

Purification: Immunoaffinity chromatography

Species Reactivity: Human and mouse. This product has not been tested for other species yet.

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

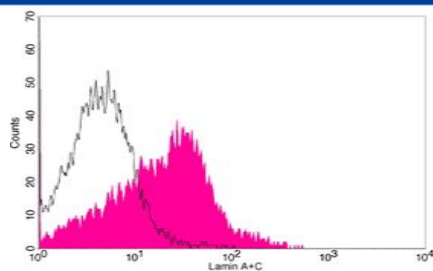
Storage:

GenScript Rabbit Anti-Lamin A+C Polyclonal Antibody should be stored lyophilized until use. It remains stable in lyophilized form for at least two years if stored at -20°C or below. The reconstituted antibody can be stored for two to three weeks at 2-8°C or for up to 12 months at -20°C or below. Avoid repeated freeze and thaw cycles.

Western blot analysis of cell lysates using 1 µg/ml Rabbit Anti-Lamin A+C Polyclonal Antibody (GenScript, A01455)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: Lamin A 71 KD Lamin C 65 KD

Observed Size: Lamin A 71 KD Lamin C 65 KD



Flow cytometric analysis of HepG2 cells using Lamin A+C Antibody, pAb, Rabbit (GenScript, A01455; shaded histogram) or with an isotype control antibody (GenScript, A01008; open histogram), followed by R-PE conjugated anti-rabbit IgG.