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Rabbit Anti Human Cleaved Farnesylated Prelamin A

ANT0046

200µl

Description

The antibody is able to detect cleaved farnesylated prelamin A, while it does not recognize either full-length prelamin A or mature lamin A. This antibody can be used for the discrimination of prelamin A forms and to check the efficacy of potential therapeutic compounds acting on prelamin A processing.

Product type

Polyclonal antibody

Immunogen

Farnesylated prelamin A C-terminus peptide

Source

Rabbit

Reacts with

Carboxymethylated prelamin A harbouring the farnesyl residue

Specificity

Anti cleaved farnesylated prelamin A polyclonal antibody detects carboxymethylated prelamin A harbouring the farnesyl residue. This antibody also recognizes progerin, the truncated form of prelamin A found in Hutchinson-Gilford Progeria Syndrome cells, and does not cross react with mature lamin A.

Tested applications

Immunofluorescence (methanol fixing is suggested)

Recommended dilutions

Recommended starting dilutions can vary lot-to-lot.
Consult the product information label in the package for lot specific values.

Note: When using any primary antibody or fluorescence-labelled secondary antibody for the first time, titrate out the antibody to determine which dilution allows the strongest specific signal with the lowest background for your sample.

For untested applications or species please refer to the [S.M.A.K.](#) program.

Purity

Polyclonal immunoglobulins purified by protein A affinity chromatography and stabilized with 5% of glycerol.

Form

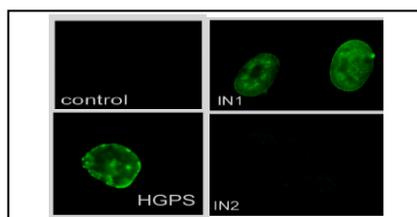
Liquid. Supplied in 100mM sodium citrate, 50mM Tris and 0.05% v/v glycerol. Neutral pH.

Storage

Shipped at +4°C. When stored at +4°C, the antibody is stable for 18 months.
Do not freeze.

References

Available on library section: <http://www.diatheva.com/library.htm>



Immunofluorescence staining with anti-cleaved farnesylated prelamin A antibody 1188-2 in human fibroblasts. Control: untreated cells; IN1: cells accumulating farnesylated prelamin A by inhibitor treatment; IN2: cells accumulating non-farnesylated prelamin A by inhibitor treatment; HGPS: Hutchinson-Gilford Progeria Syndrome cells.



www.projects.mfpl.ac.at/euro-laminopathies



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Anti-cleaved farnesylated prelamins A polyclonal antibody
APPLICATIONS PROTOCOLS

Immunofluorescence:

- Fix the cells in methanol at -20°C for seven minutes (methanol fixing is required for 1188-2 antibody)
- Incubate with primary antibody diluted 1:10-1:200 overnight at 4°C in PBS containing 4% BSA
- Apply secondary antibody for 1 hour at room temperature