## Lamin-A/C Antibody



Antigen Affinity Purified Protein ID NP\_733821.1

Catalog No. A303-430A-T GenelD 4000

Lot No. A303-430A-T-1

**APPLICATIONS** WB, IP, IHC, ICC-IF

SPECIES REACTIVITY Human, Mouse

**PRESUMED REACTIVITY** Based on 100% sequence identity, this antibody is predicted to react with Pig

AMOUNT 10 μl

CONCENTRATION 200 μg/ml

**STORAGE/SHELF LIFE** 2 – 8°C / 1 year from date of receipt

PHYSICAL STATE Liquid

**BUFFER** Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

**PRODUCTION** Antibody was affinity purified using an epitope specific to Lamin-A/C immobilized on solid

**PROCEDURES** support.

The epitope recognized by A303–430A–T maps to a region between residue 1 and 50 of

human Lamin A/Lamin C using the numbering given in entry NP\_733821.1 (GeneID 4000).

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000

Immunoprecipitation  $2 - 10 \mu g/mg$  lysate

Immunohistochemistry 1:200 - 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is

recommended for FFPE tissue sections.

Immunofluorescence

(ICC)

1:100 - 1:500. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for

formaldehvde-fixed cells.

ADDITIONAL INFO https://www.bethyl.com/product/A303-430A-T

Use the link above to view SDS, a current list of citations, and other product specific information.

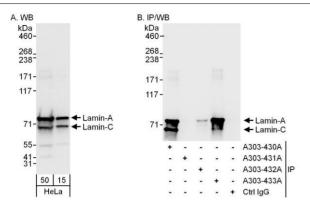
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

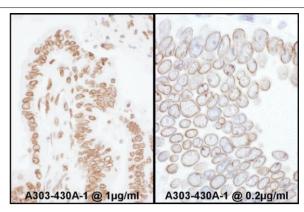
Michael Spencer, PhD

Date: June 6, 2022

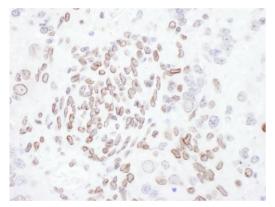
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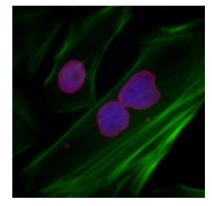
Detection of human Lamin–A and Lamin–C by western blot and immunoprecipitation. Samples: Whole cell lysate (15 and 50  $\mu$ g for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti–Lamin–A/C antibody A303–430A used for WB at 0.04  $\mu$ g/ml (A) and 0.4  $\mu$ g/ml (B) and used for IP at 6  $\mu$ g/mg lysate. Lamin–A was also immunoprecipitated by rabbit anti–Lamin–A antibody A303–433A, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 1 second (A and B).



Detection of human Lamin-A /C by immunohistochemistry. Samples: FFPE sections of human colon carcinoma. Antibody: Affinity purified rabbit anti-Lamin-A/C (Cat. No. A303-430A Lot1) used at a dilution of 1:200 (1μg/ml) (left) and 1:1,000 (0.2μg/ml) (right). Detection: DAB



Detection of mouse Lamin-A /C by immunohistochemistry. Sample: FFPE section of mouse teratoma. Antibody: Affinity purified rabbit anti-Lamin-A/C (Cat. No. A303-430A Lot1) used at a dilution of 1:200 (1µg/ml). Detection: DAB



Detection of human Lamin-A /C by immunocytochemistry. *Samples:* Formaldehyde-fixed asynchronous HeLa cells. *Antibody:* Affinity purified rabbit anti-Lamin-A/C (Cat. No. A303-430A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* Red-fluorescent goat anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight® 594 Conjugated used at a dilution of 1:100.