Lamin-A/C Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_733821.1

Catalog No. A303-430A GeneID 4000

Lot No. A303-430A-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 100 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 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).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4

equals 1.0 mg of IgG.

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 µg/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

formaldehyde-fixed cells.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020),

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

IHC HUMAN CONTROLS Breast Carcinoma, Colon Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular

Seminoma, HeLa Cells

IHC MOUSE CONTROLS Renal Cell Carcinoma, Teratoma

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

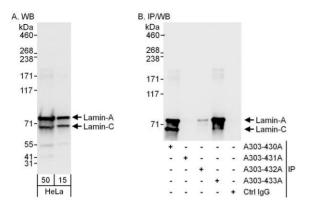
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

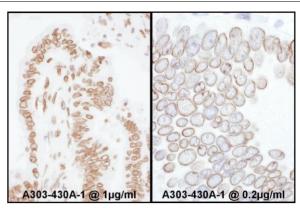
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019

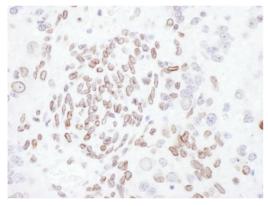




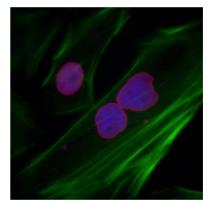
Detection of human Lamin–A and Lamin–C by western blot and immunoprecipitation. Samples: Whole cell lysate (15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti–Lamin–A/C antibody A303–430A used for WB at 0.04 μ g/ml (A) and 0.4 μ g/ml (B) and used for IP at 6 μ 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.