## Ku70 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_001460.1

Catalog No. A302-624A GeneID 2547

Lot No. A302-624A-1

APPLICATIONS WB, IP

SPECIES REACTIVITY Human

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 PROCEDURES

Antibody was affinity purified using an epitope specific to Ku70 immobilized on solid support.

The epitope recognized by A302-624A maps to a region between residue 500 and 550 of human Lupus Ku autoantigen protein p70 using the numbering given in entry NP\_001460.1 (GeneID

2547).

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 - 5 µg/mg lysate

**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, Ovarian Carcinoma

ADDITIONAL INFO https://www.bethyl.com/product/A302-624A

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

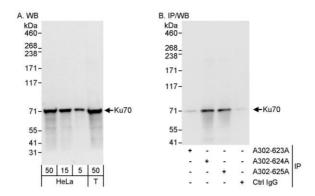
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

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



Ku70 Antibody A302-624A



Detection of human Ku70 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50  $\mu$ g for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50  $\mu$ g) cells. Antibodies: Affinity purified rabbit anti–Ku70 antibody A302–624A used for WB at 0.04  $\mu$ g/ml (A) and 0.4  $\mu$ g/ml (B) and used for IP at 3  $\mu$ g/mg lysate. Ku70 was also immunoprecipitated by rabbit anti–Ku70 antibodies A302–623A and A302–625A, which recognize other epitopes. Detection: Chemiluminescence with exposure times of 3 seconds (A) and 1 second (B).