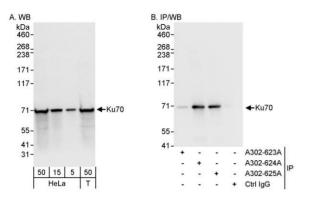
Ku70 Antibody

Rabbit Polyclo Antigen Affinit Catalog No. Lot No.	ffinity Purified		Protein ID GenelD	NP_001460.1 2547		BETHYL LABORATORIES, INC
APPLICATIONS		WB, IP, IHC				
SPECIES REACTIVITY		Human				
AMOUNT		100 μΙ				
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 A302–625A maps to a region between residue 559 and 609 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	2,000 - 1:10,000		
		Immunoprecipitation 2 – 5 µg/mg lysate				
		Immunohistocl	,	200 – 1:1,000. Epitope r commended for FFPE tis		ouffer pH 6.0 is
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. Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma				
ADDITIONAL IN	FO	https://www.bethyl.com/product/A302-625A 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				

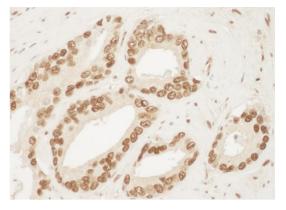
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

Bethyl Laboratories, Inc. • 25043 West FM 1097 • Montgomery, TX 77356 • 800.338.9579 • 936.597.6111 • 866.597.6105 (FAX) • www.bethyl.com • technical@bethyl.com

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



Detection of human Ku70 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-Ku70 (Cat. No. A302-625A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB