

Rabbit anti-Human Ku70 Polyclonal Antibody | anti-Ku70 antibody

Rabbit anti-Ku70 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211946	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

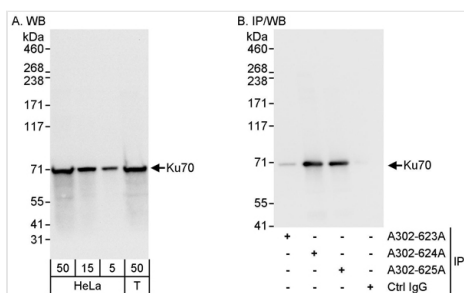
PRODUCT SYNONYMS

Ku70; Polyclonal Antibody; Rabbit anti-Ku70 Antibody; Affinity Purified; X-ray repair complementing defective repair in Chinese hamster cells 6; Ku autoantigen p70 subunit; Ku autoantigen; 70kDa; lupus Ku autoantigen protein p70; thyroid autoantigen 70kDa (Ku antigen); G22P1; TLAA; KU70; X-ray repair cross-complementing protein 6; thyroid-lupus autoantigen p70; CTCBF; CTC75; CTC box binding factor 75 kDa subunit; ATP-dependent DNA helicase II; 70 kDa subunit; ATP-dependent DNA helicase II 70 kDa subunit; ATP-dependent DNA helicase 2 subunit 1; 70 kDa subunit of Ku antigen; 5'-dRP lyase Ku70; 5'-deoxyribose-5-phosphate lyase Ku70; DNA repair protein XRCC6; ML8; X-ray repair cross complementing 6; anti-Ku70 antibody

PRODUCT SPECIFICATIONS

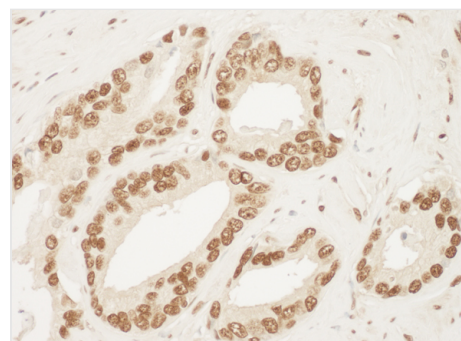
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-Ku70 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 559 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Ku70 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-Ku70 antibody AAA211946 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. Ku70 was also immunoprecipitated by rabbit anti-Ku70 antibodies and which recognize upstream epitopes. Detection: Chemiluminescence with exposure times of 3 seconds (A) and 1 second (B).



IHC (Immunohistochemistry)

Detection of human Ku70 by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-Ku70 (Cat. No. AAA211946 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-Ku70 antibody	Ku70 is the 70 kDa subunit of the lupus Ku autoantigen. The lupus Ku autoantigen was identified in individuals with systemic lupus erythematosus (SLE) and related disorders. The Ku antigen is a heterodimer of Ku70 and Ku80. The Ku70/Ku80 complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P12956].
Product Categories/Family for anti-Ku70 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503841
NCBI GeneID	2547
NCBI Accession #	NP_001460.1
NCBI GenBank Nucleotide #	NM_001469.3
UniProt Accession #	P12956 ; Q6FG89 ; Q9UCQ2 ; Q9UCQ3
Molecular Weight	69,843 Da
NCBI Official Full Name	X-ray repair cross-complementing protein 6
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 6
NCBI Official Symbol	XRCC6
NCBI Official Synonym Symbols	ML8; KU70; TLAA; CTC75; CTCBF; G22P1
NCBI Protein Information	X-ray repair cross-complementing protein 6; 5'-dRP lyase Ku70; Ku autoantigen, 70kDa; DNA repair protein XRCC6; Ku autoantigen p70 subunit; 70 kDa subunit of Ku antigen; thyroid-lupus autoantigen p70; lupus Ku autoantigen protein p70; 5'-deoxyribose-5-pho
UniProt Protein Name	X-ray repair cross-complementing protein 6
UniProt Gene Name	XRCC6
UniProt Synonym Gene Names	G22P1; 5'-dRP lyase Ku70; CTC75; CTCBF; Ku70; TLAA
UniProt Entry Name	XRCC6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ku70-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211946>