

Rabbit anti-Human Ku80 Polyclonal Antibody | anti-Ku80 antibody

Rabbit anti-Ku80 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211947	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Ku80; Polyclonal Antibody; Rabbit anti-Ku80 Antibody; Affinity Purified; Ku86 autoantigen related protein 1; 86 kDa subunit of Ku antigen; X-ray repair cross-complementing protein 5; X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining); TLAA; thyroid-lupus autoantigen; nuclear factor IV; NFIV; KUB2; Ku86; CTC85; ATP-dependent DNA helicase 2 subunit 2; lupus Ku autoantigen protein p86; CTC box-binding factor 85 kDa subunit; KU80; CTCBF; DNA repair protein XRCC5; KARP1; KARP-1; Ku autoantigen; 80kDa; ATP-dependent DNA helicase II 80 kDa subunit; X-ray repair cross complementing 5; anti-Ku80 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-Ku80 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 150 and 200
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 Ku80 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-Ku80 antibody AAA211947 used for WB at 0.04 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 3 ug/mg lysate. Ku80 was also immunoprecipitated by rabbit anti-Ku80 antibody BL9494, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



IHC (Immunohistochemistry)

Detection of human Ku80 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-Ku80 (Cat. No. AAA211947 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-Ku80 antibody	Ku80 is the 80 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/P13010].
Product Categories/Family for anti-Ku80 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863945
NCBI GeneID	7520
NCBI Accession #	NP_066964.1
NCBI GenBank Nucleotide #	NM_021141.3
UniProt Accession #	P13010 ; Q0Z7V0 ; Q4VBQ5 ; Q53HH7 ; Q7M4N0 ; Q9UCQ0 ; Q9UCQ1 ; A8K3X5
Molecular Weight	82,705 Da
NCBI Official Full Name	X-ray repair cross-complementing protein 5
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)
NCBI Official Symbol	XRCC5
NCBI Official Synonym Symbols	KU80; KUB2; Ku86; NFIV; KARP1; KARP-1
NCBI Protein Information	X-ray repair cross-complementing protein 5; TLAA; CTC85; CTCBF; nuclear factor IV; Ku autoantigen, 80kDa; DNA repair protein XRCC5; thyroid-lupus autoantigen; 86 kDa subunit of Ku antigen; lupus Ku autoantigen protein p86; Ku86 autoantigen related protein
UniProt Protein Name	X-ray repair cross-complementing protein 5
UniProt Gene Name	XRCC5
UniProt Synonym Gene Names	G22P2; CTC85; CTCBF; TLAA
UniProt Entry Name	XRCC5_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/ku80-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211947>