

Rabbit Ku70/80 Polyclonal Antibody | anti-XRCC6 antibody

Ku70/80 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322103	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Ku70/80; Polyclonal Antibody; Ku70/80 Antibody; 5"-deoxyribose-5-phosphate lyase Ku70; 5"-dRP lyase Ku70; 70 kDa subunit of Ku antigen; ATP dependent DNA helicase 2 subunit 1; ATP dependent DNA helicase II 70 kDa subunit; ATP-dependent DNA helicase 2 subunit 1; ATP-dependent DNA helicase II 70 kDa subunit; CTC box binding factor 75 kDa subunit; CTC box-binding factor 75 kDa subunit; CTC75; CTCBF; DNA repair protein XRCC6; G22P1; Ku 70; Ku autoantigen p70 subunit; Ku autoantigen; 70kDa; Ku p70; Ku70; Ku70 DNA binding component of DNA-dependent proteinkinase complex (thyroid autoantigen 70 kDa; Kup70; Lupus Ku autoantigen protein p70; ML8; Thyroid autoantigen 70kD (Ku antigen); Thyroid autoantigen; Thyroid lupus autoantigen; Thyroid lupus autoantigen p70; Thyroid-lupus autoantigen; TLAA; X ray repair complementing defective repair in Chinese hamster cells 6; X-ray repair complementing defective repair in Chinese hamster cells 6; X-ray repair cross-complementing protein 6; XRCC 6; Xrcc6; XRCC6_HUMAN; 86 kDa subunit of Ku antigen; ATP dependent DNA helicase 2 subunit 2; ATP dependent DNA helicase II 80 kDa subunit; ATP dependent DNA helicase II 86 Kd subunit; ATP dependent DNA helicase II; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II 80 kDa subunit; CTC box binding factor 85 kDa; CTC box-binding factor 85 kDa subunit; CTC85; DNA repair protein XRCC5; KARP 1; KARP1; Ku 80; Ku autoantigen 80kDa; Ku80; Ku86; Ku86 autoantigen related protein 1; KUB 2; KUB2; Lupus Ku autoantigen protein p86; NFIV; Nuclear factor IV; X ray repair complementing defective repair in Chinese hamster cells 5 (double strand break rejoining); X-ray repair complementing defective repair in Chinese hamster cells 5; XRCC 5; XRCC5; XRCC5_HUMAN; anti-XRCC6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Ku70/80 antibody detects endogenous levels of total Ku70/80
Purity/Purification	Peptide Affinity Purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	609
Applicable Applications for anti-XRCC6 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Ku70/80, corresponding to a region within the internal amino acids
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322103 staining HepG2 by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA322103 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA322103 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC6 antibody	Description: The Ku autoantigen is a heterodimer of 70kDa (p70) and 80kDa (p80) proteins. The p70/p80 dimer is important for function of a 460kDa DNA-dependent protein kinase that phosphorylates certain transcription factors, including Sp1, Oct-1, p53, and SV40 large T antigen in vitro. The Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	573014815
NCBI GeneID	2547
NCBI Accession #	NP_001275905.1
NCBI GenBank Nucleotide #	NM_001288976.1
UniProt Accession #	P12956; Q6FG89; Q9UCQ2; Q9UCQ3; B1AHC8
Molecular Weight	70; 82 kDa
NCBI Official Full Name	X-ray repair cross-complementing protein 6 isoform 1
NCBI Official Synonym Full Names	X-ray repair cross complementing 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
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

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/ku70-80-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/322103>