

Rabbit KU70 Polyclonal Antibody | anti-KU70 antibody

KU70 Rabbit Polyclonal Antibody

CATALOG # AAA30688	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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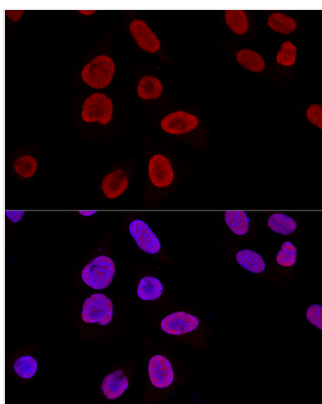
PRODUCT SYNONYMS

KU70; Polyclonal Antibody; KU70 Rabbit Polyclonal Antibody; XRCC6; CTC75; CTCBF; G22P1; ML8; TLAA; anti-KU70 antibody

PRODUCT SPECIFICATIONS

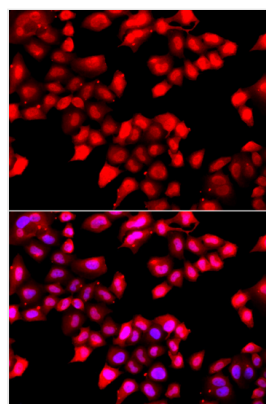
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-KU70 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100 IP: 1:20-1:50
Immunogen	Recombinant fusion protein of human KU70 (NP_001460.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



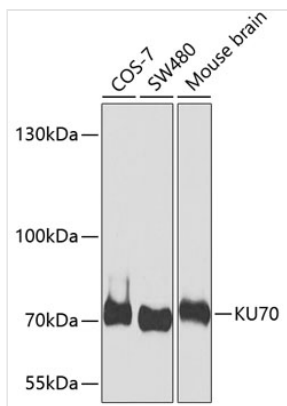
IF (Immunofluorescence)

Confocal immunofluorescence analysis of U2OS cells using KU70 Polyclonal at dilution of 1:100. Blue: DAPI for nuclear staining.



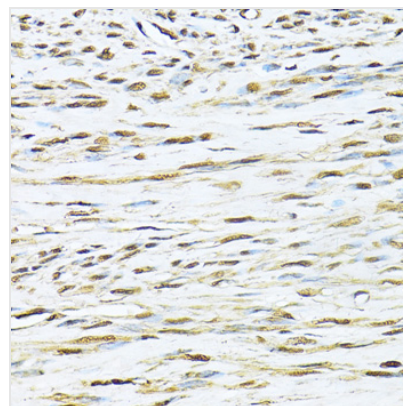
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using KU70. Blue: DAPI for nuclear staining.



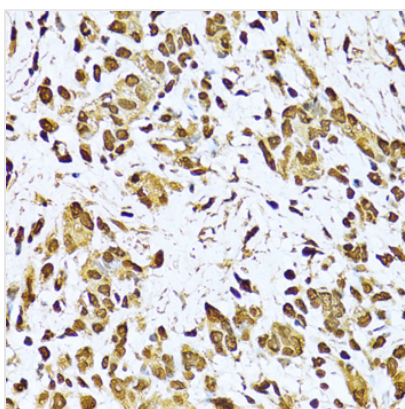
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using KU70 at 1:1000 dilution.



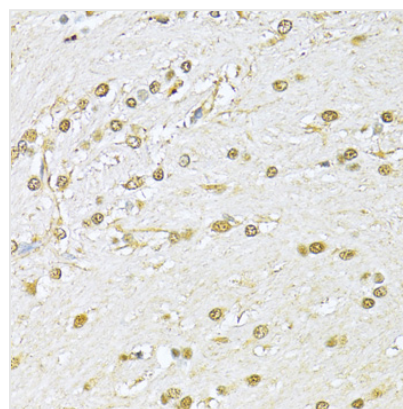
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human uterus using KU70 at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using KU70 at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using KU70 at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-KU70 antibody	The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The 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. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus.
Product Categories/Family for anti-KU70 antibody	Primary Antibody

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-western-blot-immunohistochemistry-immunofluorescence-elisa/30688>