Mouse anti-Human, Mouse Ku-80 Monoclonal Antibody | anti-Ku-80 antibody

Ku-80 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320136	**Mouse**	**Human, Mouse**	**ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Ku-80; Monoclonal Antibody; Ku-80 Monoclonal Antibody; X-ray repair cross-complementing protein 5; XRCC5; G22P2; 86 kDa subunit of Ku antigen; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II 80 kDa subunit; CTC box-binding factor 85 kDa subunit; CTC85; CTCBF; DNA repair pr; anti-Ku-80 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Specificity	Ku-80 Monoclonal Antibody detects endogenous levels of Ku-80 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-Ku-80 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human Ku-80 expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

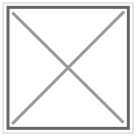
IMAGES

Application Data

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Hela cells using Ku-80 Monoclonal Antibody (green) and negative control (purple).

IF (Immunofluorescence)
Immunofluorescence analysis of Hela cells using Ku-80 Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded human tonsil tissues (left) and human colon cancer tissues (right) with DAB staining using Ku-80 Monoclonal Antibody.



WB (Western Blot)
Western Blot analysis using Ku-80 Monoclonal Antibody against HeLa (1). MCF-7 (2). A549 (3) and NIH/3T3 (4) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-Ku-80 antibody	The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-Ku-80 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/monoclonal/ku-80-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320136