

Mouse anti-Human, Mouse XRCC5 Antibody | anti-XRCC5 antibody

XRCC5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108469	Mouse	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

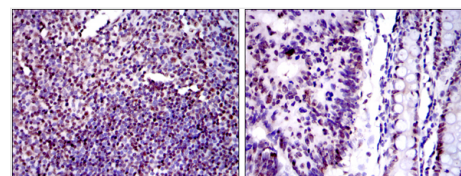
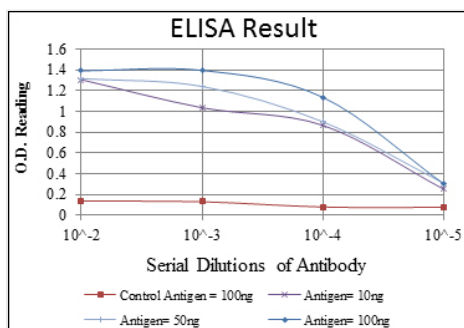
PRODUCT SYNONYMS

XRCC5; XRCC5 Antibody; KU80; KUB2; Ku86; NFIV; KARP1; KARP-1; anti-XRCC5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Isotype	IgG1
Clone Number	5C5
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	732
Applicable Applications for anti-XRCC5 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human XRCC5 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

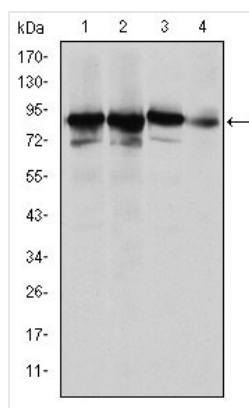
IMAGES



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded human tonsil tissues (left) and human colon cancer tissues (right) using XRCC5 mouse mAb with DAB staining.

Application Data



WB (Western Blot)

Figure 1: Western blot analysis using XRCC5 mouse mAb against Hela (1), MCF-7 (2), A549 (3) and NIH/3T3 (4) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC5 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.
Product Categories/Family for anti-XRCC5 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

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	86kDa
NCBI Official Full Name	X-ray repair cross-complementing protein 5
NCBI Official Synonym Full Names	X-ray repair cross complementing 5
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
UniProt Protein Name	X-ray repair cross-complementing protein 5
UniProt Gene Name	XRCC5
UniProt Synonym Gene Names	G22P2; CTC85; CTCBF; 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.