

Rabbit XRCC2 Polyclonal Antibody | anti-XRCC2 antibody

XRCC2 Antibody

CATALOG # AAA326389	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

XRCC2; Polyclonal Antibody; XRCC2 Antibody; DKFZp781P0919; DNA repair protein XRCC2; X ray repair complementing defective repair in Chinese hamster cells 2; X ray repair cross complementing protein 2; X-ray repair cross-complementing protein 2; Xrcc2; XRCC2_HUMAN; anti-XRCC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	XRCC2 antibody detects endogenous levels of total XRCC2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	280
Applicable Applications for anti-XRCC2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human XRCC2
Subcellular Location	Cytoplasm, Cytoskeleton, Nucleus
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326389 at 1/100 staining Mouse spleen 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of HeLa whole cell lysates, using XRCC2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC2 antibody	Description: This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster irs1, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents. [provided by RefSeq, Jul 2008] Function: Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. Part of the Rad21 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA. Subunit Structure: Interacts with RAD51D. Part of the BCDX2 complex consisting of RAD51B, RAD51C, RAD51D and XRCC2; the complex has a ring-like structure arranged into a flat disc around a central channel. In the absence of DNA, the BCDX2 subcomplex XRCC2:RAD51D formed a multimeric ring structure; in the presence of single-stranded DNA it formed a filamentous structure with the ssDNA. Similarity: Belongs to the RecA family. RAD51 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885657
NCBI GeneID	7516
NCBI Accession #	NP_005422.1
NCBI GenBank Nucleotide #	NM_005431.1
UniProt Accession #	O43543; B2R925
Molecular Weight	Observed: 32 kDa Predicted: 32 kDa
NCBI Official Full Name	DNA repair protein XRCC2
NCBI Official Synonym Full Names	X-ray repair cross complementing 2
NCBI Official Symbol	XRCC2
NCBI Official Synonym Symbols	FANCU
NCBI Protein Information	DNA repair protein XRCC2
UniProt Protein Name	DNA repair protein XRCC2
UniProt Gene Name	XRCC2

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/xrcc2-antibody-immunohistochemistry-western-blot-elisa/326389>