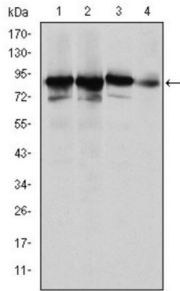
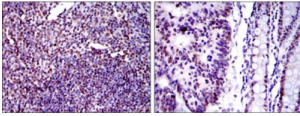


X-Ray Repair Cross Complementing 5 (XRCC5) Antibody

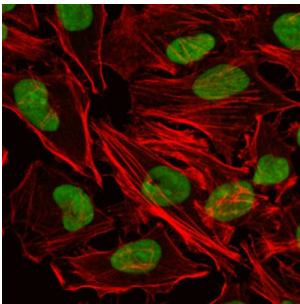
Catalogue No.: abx011882



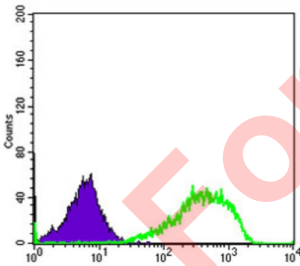
Western blot analysis using XRCC5 antibody against HeLa (1), MCF-7 (2), A549 (3) and NIH/3T3 (4) cell lysate.



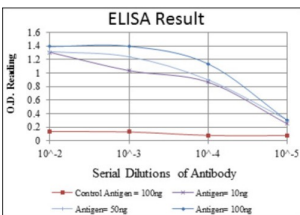
Immunohistochemical analysis of paraffin-embedded human tonsil tissues (left) and human colon cancer tissues (right) using XRCC5 antibody with DAB staining.



Immunofluorescence analysis of HeLa cells using XRCC5 antibody (green). Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of HeLa cells using XRCC5 antibody (green) and negative control (purple).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Datasheet

Version: 2.0.0
Revision date: 22 Nov 2024



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.

Target:	X-Ray Repair Cross Complementing 5 (XRCC5)
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human XRCC5 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P13010 (UniProt , ExPASy)
GeneID:	7520
KEGG:	hsa:7520
String:	9606.ENSP00000375978
Enzyme Commission Number:	EC 3.6.1.-
Molecular Weight:	86 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.

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Concentration: Not determined.

Note: This product is for research use only.

For Reference Only