



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to XRCC5

Catalog Number: MAB-606030237

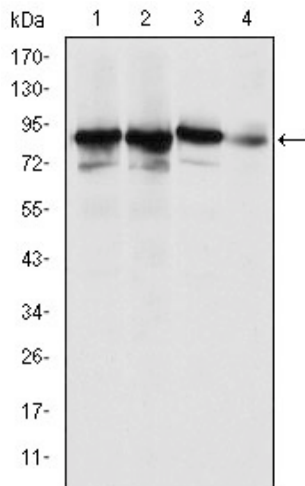


Figure 1: Western blot analysis using XRCC5 mouse mAb against Hela (1), MCF-7 (2), A549 (3) and NIH/3T3 (4) cell lysate.

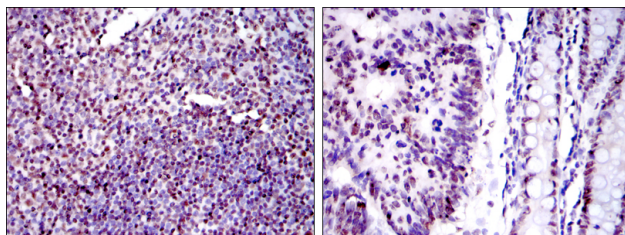


Figure 2: Immunohistochemical analysis of paraffin-embedded human tonsil tissues (left) and human colon cancer tissues (right) using XRCC5 mouse mAb with DAB staining.

Lot#:
Clone#: 5C5
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 86kDa
Aliases: KU80; KUB2; Ku86; NFIV; KARP1; KARP-1; FLJ39089
Entrez Gene: 7520
Species reactivity: Human; Mouse

Description 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.

Immunogen Purified recombinant fragment of human XRCC5 expressed in E. Coli.

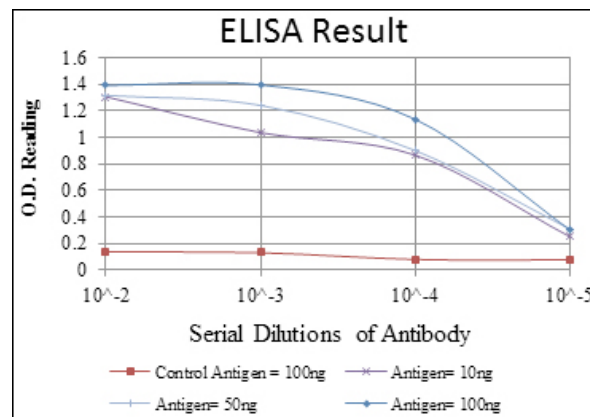
Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
Immunofluorescence: 1/200 - 1/1000.
Flow cytometry: 1/200 - 1/400.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. Breast Cancer Res. 2009;11(6):R83.
2. Biochem Biophys Res Commun. 2009 Dec 18;390(3):738-42.



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