XRCC5 monoclonal antibody

Catalog: MB21496 Host: Mouse Reactivity: Human,Mouse

BackGround:

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.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

86kDa

Swiss-Prot:

P13010

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000 FC:1/200 - 1/400

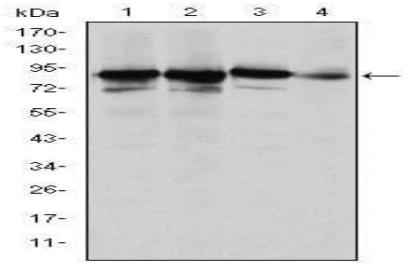
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

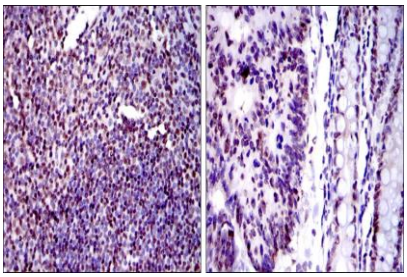
Isotype:

Mouse IgG1

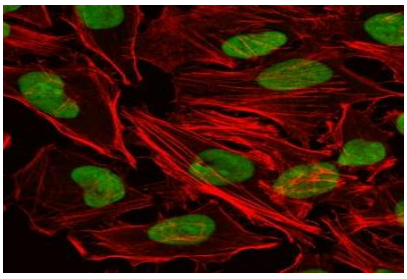
DATA:



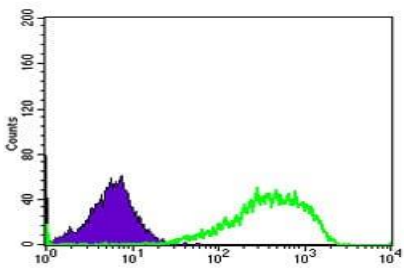
Western blot analysis using XRCC5 mouse mAb against Hela (1), MCF-7 (2), A549 (3) and NIH/3T3 (4) cell lysate.



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



Immunofluorescence analysis of Hela cells using XRCC5 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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Flow cytometric analysis of Hela cells using XRCC5 mouse mAb (green) and negative control (purple).

Note:

For research use only, not for use in diagnostic procedure.

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