XRCC5

Reactivity:Human

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:100 - 1:200 IF 1:20 - 1:100 Calculated MW:82kDa Observed MW:Refer to Figures Immunogen: Recombinant protein of human XRCC5 Storage Buffer: Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. Concentration: ej Synonym: KU80; KUB2; Ku86; NFIV; KARP1; KARP-1

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.

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Catalog #:A5862 Antibody Type: Polyclonal Antibody Species:Rabbit Gene ID:7520 Isotype:IgG Swiss Prot:P13010 Purity:Affinity purification

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