

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

Catalog #:A5862

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:7520

Isotype:IgG

Swiss Prot:P13010

Purity:Affinity purification

For research use only.

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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