

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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