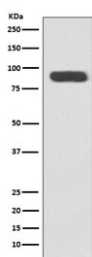


## Ku80 Antibody / XRCC5 [clone FAE-24] (RQ5399)

Catalog No.	Formulation	Size
RQ5399	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	FAE-24
Purity	Affinity purified
UniProt	P13010
Applications	Western Blot : 1:5000-1:10000
Limitations	This Ku80 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with Ku80 antibody. Predicted molecular weight ~80 kDa.

## Description

The protein encoded by the XRCC5 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. [RefSeq]

## Application Notes

Optimal dilution of the Ku80 antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human Ku80 / XRCC5 was used as the immunogen for the Ku80 antibody.

## Storage

Store the Ku80 antibody at -20oC.