

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 |
| Host | Rabbit |
| 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.