XRCC5

Mouse Anti-Human X-ray Repair Complementing defective repair in Chinese hamster cells 5/KU80 Clone F3 mAb

Catalog No.	CSI14509 CSI14510	**Quantity:**	25 µg 100 µg

Alternate Names: FLJ39089, KARP-1, KARP1, KU80, KUB2, Ku86, NFIV, ATP-dependent DNA helicase II, DNA repair protein XRCC5, Ku autoantigen, 80kDa, Ku86 autoantigen related protein 1, X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku autoantigen, 80kD), X-ray repair, complementing defective, repair in Chinese hamster

Description: Ku80 is an 80 kD nuclear ATP-dependent DNA helicase. Ku80 is involved in dsDNA break repair, VDJ recombination, and chromosome translocation. This protein binds fork-like ends of dsDNA in cell-cycle dependent manner. Ku80 can be modified by phosphorylation and has been shown to interact with Ku70 and DNA-PKcs. The F3 monoclonal antibody recognizes human Ku80 and has been shown to be useful for Western blotting and immunofluorescence staining.

Concentration: 0.5 mg/ml

Gene ID: 7520

Structure: ssDNA-dependent ATP-dependent helicase; 80 kD.

Distribution: Nuclear

Host: Mouse

Immunogen: Recombinant human (partial), N-terminal

Isotype: IgG1, κ

Clone: F3

Function: dsDNA break repair, VDJ recombination, chromosome translocation.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: The antibody was protein G-purified by affinity chromatography.

Regulation: Binds fork-like ends of dsDNA in cell-cycle dependent manner.

Reactivity: Human

Applications: WB, IF

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com

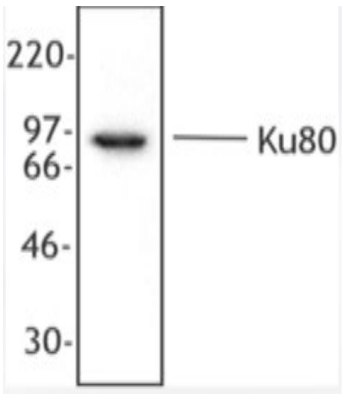
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5 µg antibody per 5 ml antibody dilution buffer for each mini-gel. For immunofluorescence microscopy: Use a dilution range of 1-4 µg/ml. It is recommended that the reagent be titrated for optimal performance for each application.

Storage & Stability: Upon receipt, store at 4°C.

Modification: Phosphorylation

Interaction: Ku70, DNA-PKcs

Hela cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-Ku80 antibody. Proteins were visualized using an anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



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