

## XRCC5 (8H1) monoclonal antibody

Catalog: MB0183

Host: Mouse

Reactivity: Human, Monkey

### Background:

XRCC5 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.

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

Predicted band size: 86KDa

Observed band size: 86KDa

### Swiss-Prot:

P13010

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000

IP: 1:50~200

IF: 1:100~500

### Storage&Stability:

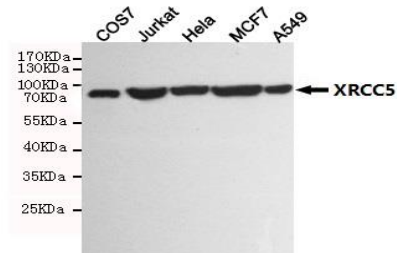
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

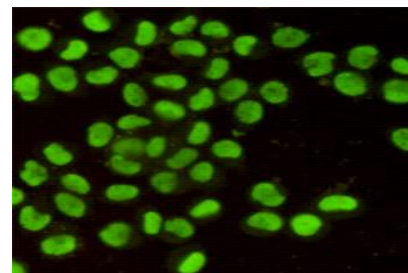
This antibody detects endogenous levels of XRCC5 and

does not cross-react with related proteins.

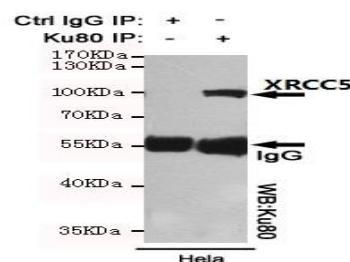
### DATA:



Western blot detection of XRCC5 in COS7, Jurkat, HeLa, MCF7 and A549 cell lysates using XRCC5 mouse mAb (1:1000 diluted).



Immunofluorescent analysis of HeLa cells using XRCC5 mouse mAb (1:400).



Immunoprecipitation analysis of HeLa cell lysates using XRCC5 mouse mAb.

### Note:

For research use only, not for use in diagnostic procedure.

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