

# XRCC1 Mouse mAb

Catalog No.: A0443

1 Publications

## Basic Information

### Observed MW

90kDa

### Calculated MW

69kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse

## Background

The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiosis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

7515

### Swiss Prot

P18887

### Immunogen

Recombinant protein of human XRCC1

### Synonyms

RCC; SCAR26; XRCC1

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG

### Purification

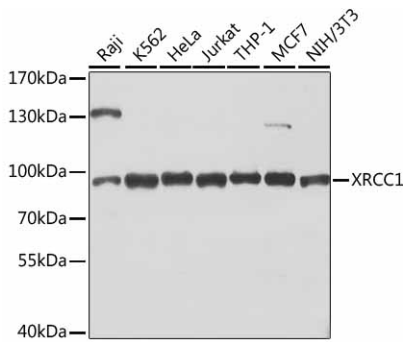
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of various lysates using XRCC1 Mouse mAb (A0443) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.