

## XRCC1

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**Reactivity:**Mouse

**Tested applications:**WB

**Recommended Dilution:**WB 1:1000 - 1:2000

**Calculated MW:**69kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human XRCC1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

e

**Synonym:**

RCC

**Catalog #:**A0442

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7515

**Isotype:**IgG

**Swiss Prot:**P18887

**Purity:**Affinity purification

For research use only.

**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.

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