

## XRCC4

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**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**38kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human XRCC4

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

be

**Catalog #:**A7539

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7518

**Isotype:**IgG

**Swiss Prot:**Q13426

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. The non-homologous end-joining pathway is required both for normal development and for suppression of tumors. This gene functionally complements XR-1 Chinese hamster ovary cell mutant, which is impaired in DNA double-strand breaks produced by ionizing radiation and restriction enzymes. Alternative transcription initiation and alternative splicing generates several transcript variants.

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