

## Product datasheet for TA362541

## **Ku80 (XRCC5) Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type: Primary Antibodies** 

**Applications:** WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human XRCC5

**Expected reactivity**: Human Specificity:

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

**Purification:** Affinity purified Conjugation: Unconjugated

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small Storage:

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

**Predicted Protein Size:** 80 kDa

Gene Name: X-ray repair complementing defective repair in Chinese hamster cells 5

Database Link: NP 066964.1

Entrez Gene 7520 Human

P13010



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**Background:** The protein 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.

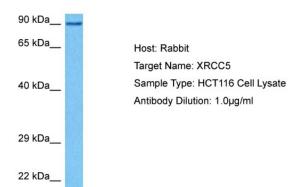
Synonyms: CTC85; CTCBF; FLJ39089; G22P2; KARP-1; KARP1; Ku80; Ku86; KUB2; NFIV;

OTTHUMP00000164061; OTTHUMP00000206791; TLAA

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Non-homologous end-joining

## **Product images:**



Host: Rabbit Target Name: XRCC5

Sample Tissue: Human HCT116 Whole Cell

lysates

Antibody Dilution: 1ug/ml