

## XRCC6

**Reactivity:** Human Rat

**Tested applications:** WB IHC IF IP FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50  
FC 1:20 - 1:50

**Calculated MW:** 75kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human XRCC6

**Storage Buffer:**

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

**Concentration:**

ej

**Synonym:**

CTC75; CTCBF; G22P1; KU70; ML8; TLAA

**Catalog #:** A0883

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2547

**Isotype:** IgG

**Swiss Prot:** P12956

**Purity:** Affinity purification

For research use only.

**Background:**

X-ray repair cross-complementing protein 6XRCC6gene encodes subunit p70 of the p70/p80 autoantigen which has a role in DNA repair or transposition. DNA helicase II complex binds preferentially to fork-like ends of double-stranded DNA in a cell cycle-dependent manner, which may be mediated by XRCC6. XRCC6/5 can form a heterodimer, which function as a regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA, and also it can stabilize broken DNA ends and bringing them together. Otherwise, XRCC5/6 heterodimer together with APEX1 can negatively regulate of transcription

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