

Ku-80(Phospho Thr714) Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP06870

Host Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

Immunogen The antiserum was produced against synthesized peptide derived from human Ku80 around the

phosphorylation site of Thr714. AA range:683-732

Mol wt 82705

Species reactivity Human, Monkey

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ICC, ELISA

Concentration 1 mg/ml

Full name X-ray repair cross-complementing protein 5

Synonyms X-ray repair cross-complementing protein 5; XRCC5; G22P2; X-ray repair cross-complementing protein 5;

86 kDa subunit of Ku antigen; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II

 $80~\mathrm{kDa}$ subunit; CTC box-binding factor $85~\mathrm{kDa}$ subunit; CTC85; CTCBF; DNA repair pr

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

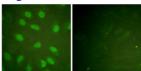
The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex 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.

Recommended Dilution

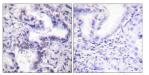
WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ICC: 1: 200 - 1: 1000 ELISA: 1: 10000

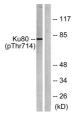
Not yet tested in other applications.

Images



Immunofluorescence analysis of HeLa cells, using Ku80 (Phospho-Thr714) Antibody. The picture on the right is blocked with the phospho peptide.





Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Ku80 (Phospho-Thr714) Antibody. The picture on the right is blocked with the phospho peptide.

Western blot analysis of lysates from COS7 cells, using Ku80 (Phospho-Thr714) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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