

**XRCC5 (S462) polyclonal antibody**

Catalog: BCP01729

Host: Rabbit

Reactivity: Human

**BackGround:**

XRCC5 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.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 82 kDa

**Swiss-Prot:**

P13010

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

IHC: 1:50~1:200

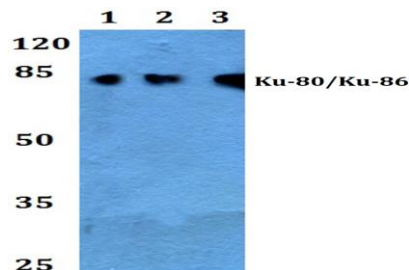
**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

XRCC5 (S462) polyclonal antibody detects endogenous

levels of XRCC5 protein.

**DATA:**

Western blot (WB) analysis of XRCC5 (S462) pAb at 1:500 dilution

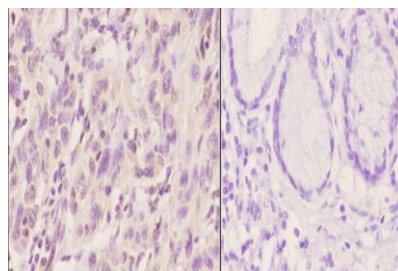
Lane1:PC3 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(20ug)

Lane3:SK-OVCAR3 whole cell lysate(20ug)

Lane4:The Testis tissue lysate of Mouse(40ug)

Lane5:The Testis tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of Ku-86 (S462) pAb in paraffin-embedded human esophageal carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

**Note:**

For research use only, not for use in diagnostic procedure.