XRCC5 (phospho-T714) polyclonal antibody

Catalog: BCP01728 Host: Rabbit Reactivity: Human,Mouse,Rat

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

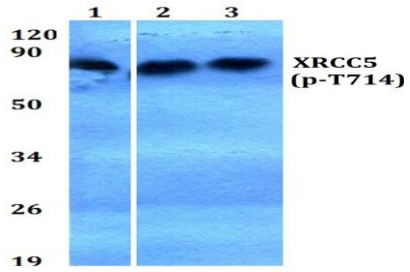
Storage&Stability:

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

Specificity:

p-XRCC5 (T714) polyclonal antibody detects endogenous levels of XRCC5 protein only when phosphorylated at Thr714

DATA:



Western blot (WB) analysis of p-XRCC5 (T714) pAb at 1:500 dilution

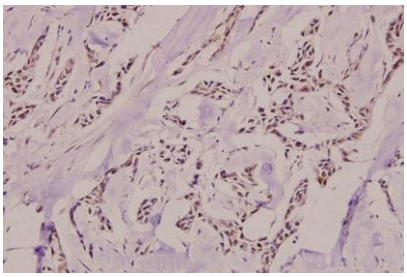
Lane1:A549 whole cell lysate(40ug)

Lane2:A549 treated with UV for 5 minutes then repair for 1 hour whole cell lysate(40ug)

Lane3:A549 treated with UV for 5 minutes then repair for 6 hours whole cell lysate(40ug)

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

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



Immunohistochemistry (IHC) analyzes of p-Ku-80 (T714) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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