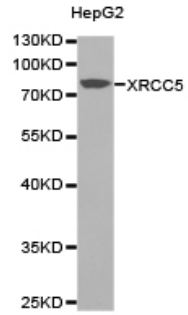
E90884

XRCC5Polyclonal Antibody

Catalog Number: E90884
Amount: 100ul
Background: There are at least two pathways for eukaryotes to repair DNA double-strand breaks: homologous recombination and nonhomologous end joining(NHEJ). The core NHEJ machinery includes XRCC4, DNA ligase IV and the DNA-dependent protein kinase complex, which consists of the DNA end-binding XRCC5/XRCC6 heterodimer and the catalytic subunit PRKDC. The heterdimer of XRCC5/XRCC6 enhanced teh affinity of the catalytic subunit PRKDC to DNA by 100-fold. Once the XRCC5/6 dimer association with NAA15, it can bind to the osteocalcin promoter and activate osteocalcin expression. The XRCC5/6 dimer acts as a negative regulator of transcription when together with APEX1. Some publised papers indicated that the MW of XRCC5 is 86kDa, while more papers suggested that XRCC5 is a 80kDa protein, as it was firstly introducted in publication. Thus, Ku80 and Ku86 are the same protein.
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: FLJ39089; KARP-1; KARP1; KU80; KUB2; Ku86; NFIV
Immunogen: Recombinant protein of human XRCC5
Purification: Affinity purification
Reactivity: H
Applications: WB IHC IF
Molecular Weight: 83kDa
Swiss-Prot No. : P13010
Gene ID: 7520

WB 1:500 - 1:2000
IHC 1:50- 1:200
IF 1:20- 1:50



Western blot analysis of extracts of HepG2 cellslines, using XRCC5 antibody.

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