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XRCC5 Antibody

XRCC5; X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining Ku autoantigen, 80kDa) ; HGNC:12833; KARP-1; KARP1; KU80; Ku86; NFIV ; ATP-dependent DNA helicase II; DNA repair protein XRCC5; Ku86 autoantigen r

CATALOG NO.: 45-173

HOST:
Goat

CLONALITY:
Polyclonal

INFORMATION:
XRCC5 Antibody.

SOURCE:
XRCC5 antibody was raised against a synthetic peptide at an internal region of XRCC5.

PROTEIN ACCESSION NUMBER(S) :
NP_066964.1

SPECIES REACTIVITY:
Human

TESTED APPLICATION:
ELISA, Western Blot

APPLICATION:
Peptide ELISA: antibody detection limit dilution 1:16,000. Western Blot: Approx 80-85kDa band observed in lysates of HeLa (calculated MW of 82.7kDa according to NP_066964.1). Recommended concentration: 0.1-0.3µg/ml. An additional band of 75kDa was observed consistent with products from other sources.

PURIFICATION:
Purifed from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:
Antibody is supplied as 0.1mg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Western blot analysis of XRCC5 in HeLa cell lysate (35µg protein in RIPA buffer) using XRCC5 antibody (0.1µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Mayeur GL, Kung WJ, Martinez A, Izumiya C, Chen DJ, Kung HJ. Ku is a novel transcriptional recycling coactivator of the androgen receptor in prostate cancer cells. J Biol Chem. 2005 Mar 18;280(11):10827-33. Epub 2005 Jan 7.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.