

Goat anti-Ku80 / XRCC5 Antibody

Item Number	dAP-0827
Target Molecule	Principle Name: Ku80 / XRCC5; Official Symbol: XRCC5; All Names and Symbols: XRCC5; KU80; X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining Ku autoantigen, 80kDa) ; HGNC:12833; KARP-1; KARP1; Ku86; NFIV ; ATP-dependent DNA helicase II; DNA repair protein XRCC5; Ku86 autoantigen r; Accession Number (s): NP_066964.1; Human Gene ID(s): 7520; Non-Human GeneID(s):
Immunogen	SLAKKDEKTDLTED, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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.
IHC	Immunohistochemistry: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.
Reference	Reference(s): 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. .PMID: 15640154 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**