

Goat anti-KU70 / XRCC6 Antibody

Item Number	dAP-1148
Target Molecule	Principle Name: KU70 / XRCC6; Official Symbol: XRCC6; All Names and Symbols: XRCC6; KU70; X-ray repair complementing defective repair in Chinese hamster cells 6 (Ku autoantigen, 70kDa) ; CTC75; CTCBF; G22P1; ML8; TLAA ; ATP-dependent DNA helicase II, 70 kDa subunit; CTC box binding factor 75 kDa subunit; Ku autoantigen p70 subunit; Accession Number (s): NP_001460.1; Human Gene ID(s): 2547; Non-Human GeneID(s):
Immunogen	YKTEGDDEAEEEEQ, is from N Terminus
Applications	Pep ELISA, WB 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 2000.
Western Blot	Western Blot: Approx 70kDa band observed in lysates of cell lines A431, HeLa and HepG2 (calculated MW of 69.8kDa according to NP_001460.1). In transfected HEK293 transiently expressing KU70 a band of approx. 70kDa is observed. This band is not observed i
IHC	
Reference	Reference(s): Ribes-Zamora A, Mihalek I, Lichtarge O, Bertuch AA. Distinct faces of the Ku heterodimer mediate DNA repair and telomeric functions. Nat Struct Mol Biol. 2007 Apr;14(4):301-307. Epub 2007 Mar 11. .PMID: 17351632 ->

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**