

KU70 Antibody

XRCC6, X-ray repair complementing defective repair in Chinese hamster cells 6 (Ku autoantigen, 70kDa), CTC75, CTCBF, G22P1, KU70, ML8, TLAA, ATP-dependent DNA helicase II, 70 kDa subunit, CTC box binding factor 75 kDa subunit, Ku autoantigen p70 subunit, OTTHUMP00000028581, thyroid autoantigen 70kD (Ku antigen), thyroid autoantigen 70kDa (Ku antigen), thyroid-lupus autoantigen p70

CATALOG NO.: 45-817

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

KU70 Antibody.

SOURCE:

KU70 antibody was raised against a synthetic peptide of KU70.

PROTEIN ACCESSION NUMBER(S) :

NP_001460.1

SPECIES REACTIVITY:

Human

TESTED APPLICATION:

WB, E

APPLICATION:

Peptide ELISA: antibody detection limit dilution 1:2,000.
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). Recommended concentration: 0.1-0.3µg/ml.

PURIFICATION:

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

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of KU70 in HeLa cell lysate (35µg protein in RIPA buffer) using KU70 antibody (0.1µg/ml).

STORAGE:

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

REFERENCE:

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.

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.