

Product Data Sheet: KU70 Monoclonal Antibody

Cat. No: MAB-94696
Conjugate: Unconjugated

Size: 100 ug

Clone: EPR4027

Concentration: 1mg/ml

Host: Rb

Isotype: IgG

Immunogen: Immunogen A synthetic peptide corresponding to a sequence within amino acids

500-609 of human Ku70.

Reactivity: Human, Mouse, Rat

Western Blot: 1:500 - 1:2000

Applications: Immunohistochemistry: HC 1:50 – 1:200

Immunofluorescence: 1:50 - 1:200 Immunocytochemistry CC 1:50 - 1:200

Molecular Weight: 70KDa **Purification:** Aff. Pur.

Synonyms: CTC75; CTCBF; G22P1; KU70; ML8; TLAA

The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be

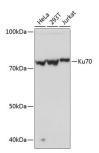
Background: involved in the repair of

nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus.

Form: Liquid

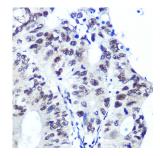
Buffer: PBS with 0.01% thiomersal,0.05% BSA,50% glycerol,pH7.3.

Storage: Store at -20°C. Avoid freeze / thaw cycles.

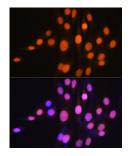


Western blot analysis of extracts of various cell lines, using Ku70 Rabbit mAb at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL West Pico Plus



Immunofluorescence analysis of NIH-3T3 cells using Ku70 Rabbit mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Ku70 Rabbit mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



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Exposure time: 1s.

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