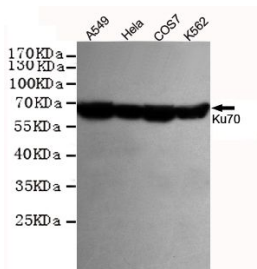




Ku70

Mouse monoclonal Antibody

#53608

Catalog Number: 53608**Amount:** 100µg/100µl**Swiss-Prot No. :** P12956**Gene name:** xrcc6**Gene id:** 2547**Clone Number:** 7B1-E12-G4**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human Ku70 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of Ku70 and does not cross-react with related proteins**Reactivity:** Human, Monkey**Applications:** Predicted MW: 67kd WB: 1:1000 ICC: 1:200

Western blot detection of Ku70 in HeLa, A549, COS7 and K562 cell lysates using Ku70 mouse mAb (1:1000 diluted). Predicted band size: 70 kDa. Observed band size: 67 kDa.

Background:

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 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.