

Product datasheet for **TA347073**

Ku70 (XRCC6) Mouse Monoclonal Antibody [Clone ID: 7B1-E12-G4]

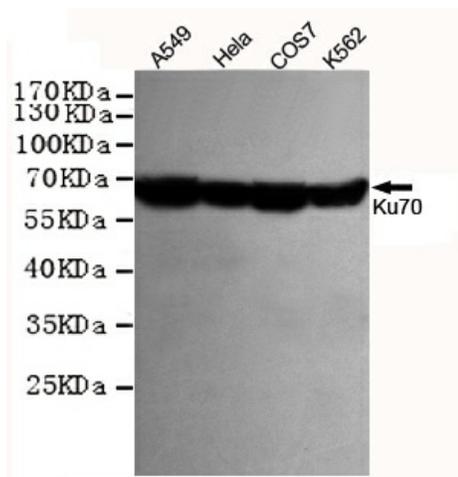
Product data:

| | |
|--------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 7B1-E12-G4 |
| Applications: | IF, IP, WB |
| Recommend Dilution: | WB: 1:1000, IF: 1:200 |
| Reactivity: | Human, Monkey |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | The immunogen for XRCC6 antibody: purified recombinant human Ku70 protein fragments expressed in E.coli. |
| Formulation: | Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol. |
| Purification: | Affinity purified |
| Predicted Protein Size: | 67 kDa |
| Gene Name: | X-ray repair complementing defective repair in Chinese hamster cells 6 |
| Database Link: | NP_001460 Entrez Gene 2547 Human |
| 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. [provided by RefSeq, Jul 2008] |
| Synonyms: | CTC75; CTCBF; G22P1; KU70; ML8; TLAA |
| Protein Families: | Druggable Genome, Transcription Factors |
| Protein Pathways: | Non-homologous end-joining |

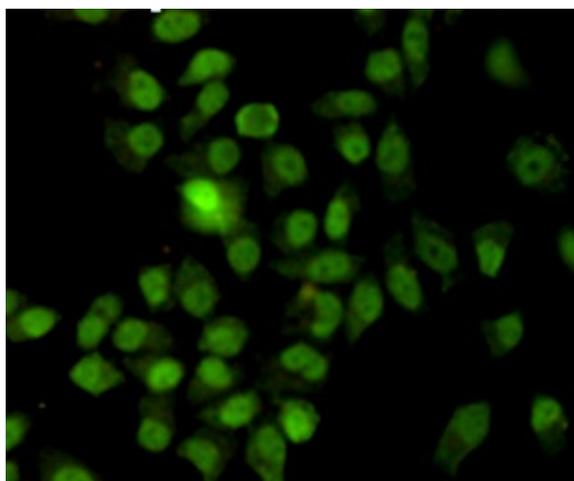


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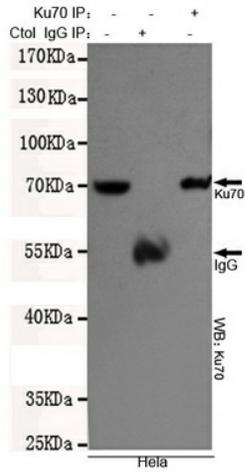
Product images:



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



Immunocytochemistry staining of HeLa cells fixed with -20°C Methanol and using anti-Ku70 antibody (dilution 1:200).



Immunoprecipitation analysis of HeLa cell lysates using Ku70 mouse mAb.