

## Product datasheet for **TA383388S**

### **Ku70 (XRCC6) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:100 IF,1:50 - 1:100 IP,1:20 - 1:50
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 408-609 of human Ku70 (NP_001460.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	65kDa/69kDa
Gene Name:	X-ray repair complementing defective repair in Chinese hamster cells 6
Database Link:	<a href="#">Entrez Gene 2547 Human P12956</a>



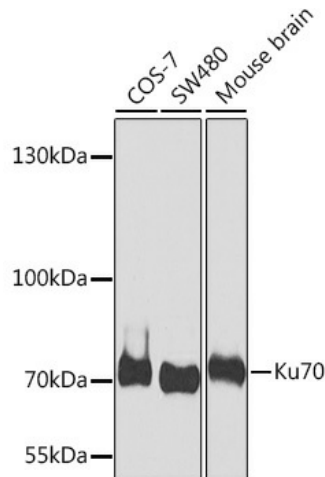
[View online »](#)

**Background:**

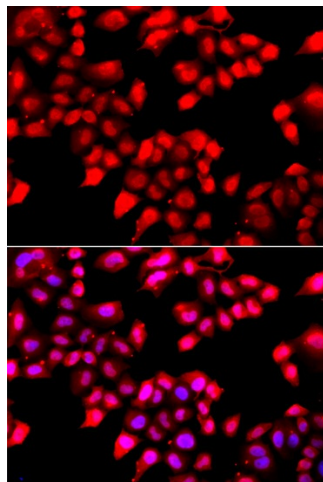
The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for 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.

**Synonyms:**

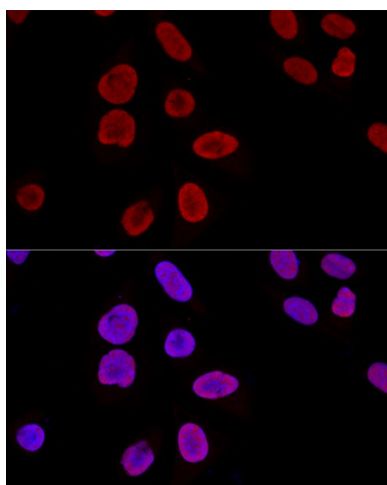
CTC75; CTCBF; D22S671; D22S731; G22P1; KU70; ML8; OTTHUMP00000199333; OTTHUMP00000199349; TLA

**Product images:**


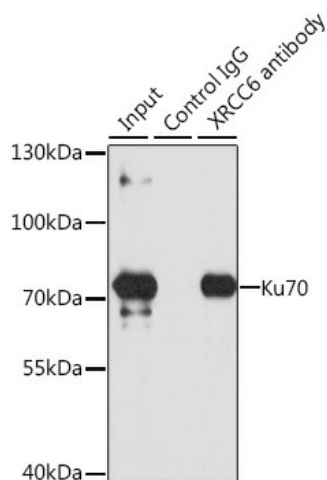
Western blot analysis of extracts of various cell lines, using Ku70 antibody ([TA383388]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 60s.



Immunofluorescence analysis of A549 cells using Ku70 antibody ([TA383388]). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U2OS cells using Ku70 Polyclonal Antibody ([TA383388]) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 100ug extracts of SW480 cells using 3ug Ku70 antibody ([TA383388]). Western blot was performed from the immunoprecipitate using Ku70 antibody ([TA383388]) at a dilution of 1:1000.