

Ku70 Rabbit pAb

Catalog No.: A7330 **8 Publications**

Basic Information

Observed MW

70kDa

Calculated MW

70kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:100
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

Contact

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Immunogen Information

Gene ID

2547

Swiss Prot

P12956

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 501-600 of human Ku70 (NP_001460.1).

Synonyms

ML8; KU70; TLAA; CTC75; CTCBF; G22P1; Ku70

Product Information

Source

Rabbit

Isotype

IgG

Purification

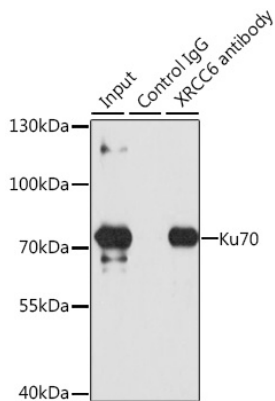
Affinity purification

Storage

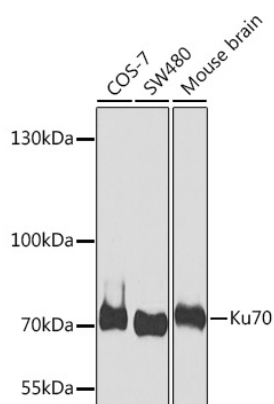
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

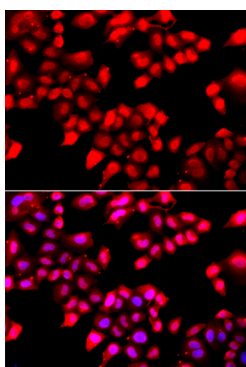
Validation Data



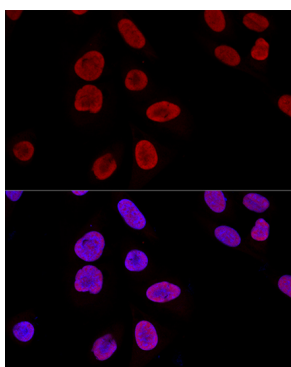
Immunoprecipitation analysis of 100 µg extracts of SW480 cells using 3 µg Ku70 antibody (A7330). Western blot was performed from the immunoprecipitate using Ku70 antibody (A7330) at a dilution of 1:1000.



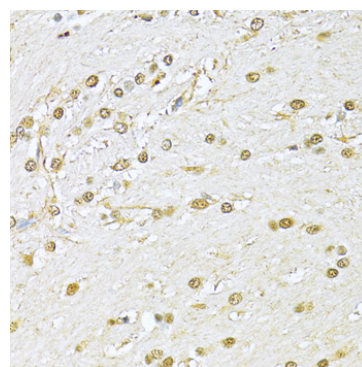
Western blot analysis of various lysates using Ku70 Rabbit pAb (A7330) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunofluorescence analysis of A549 cells using Ku70 Rabbit pAb (A7330). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

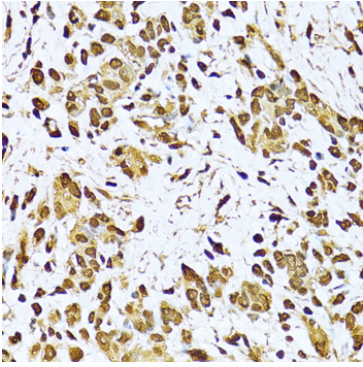


Confocal immunofluorescence analysis of U2OS cells using Ku70 Rabbit pAb (A7330) at dilution of 1:100. Blue: DAPI for nuclear staining.

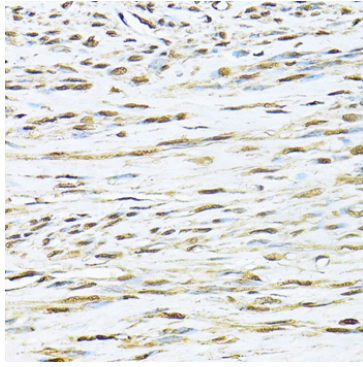


Immunohistochemistry analysis of paraffin-embedded Rat brain using Ku70 Rabbit pAb (A7330) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using Ku70 Rabbit pAb (A7330) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human uterus using Ku70 Rabbit pAb (A7330) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.