

Ku70 Rabbit pAb

Catalog No.: A7330

11 Publications

Basic Information

Observed MW

70kDa

Calculated MW

70kDa

Category

Primary antibody

Applications

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

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**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

2547

Swiss Prot

P12956

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

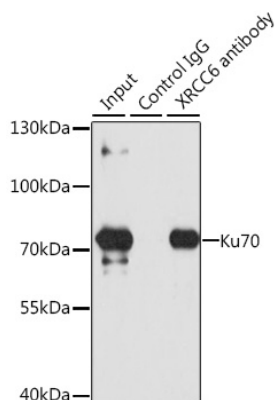
Affinity purification

Storage

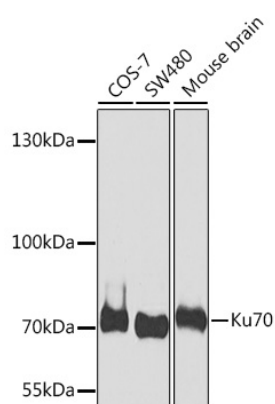
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

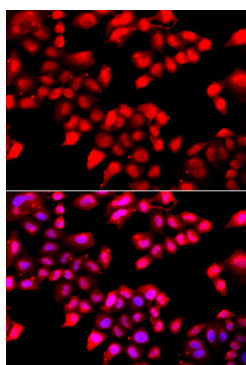
Validation Data



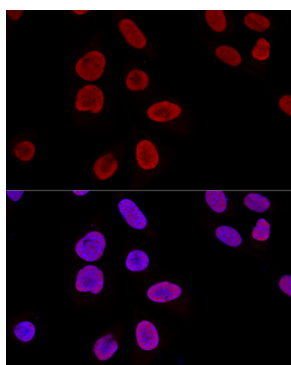
Immunoprecipitation analysis of 100 µg extracts of SW480 cells using 3 µg Ku70 antibody (A7330). Western blot was performed from the immunoprecipitate using Ku70 antibody (A7330) at a dilution of 1:1000.



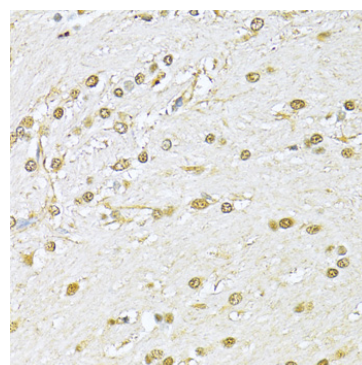
Western blot analysis of various lysates using Ku70 Rabbit pAb (A7330) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure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



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

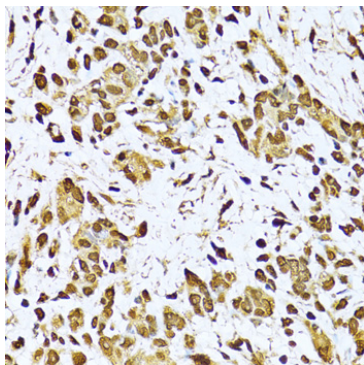


Confocal immunofluorescence analysis of U2OS cells using Ku70 Rabbit pAb (A7330) at dilution of 1:100. Blue: DAPI for nuclear staining.

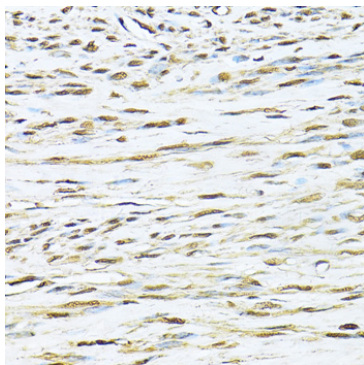


Immunohistochemistry analysis of paraffin-embedded Rat brain using Ku70 Rabbit pAb (A7330) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using Ku70 Rabbit pAb (A7330) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human uterus using Ku70 Rabbit pAb (A7330) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.