

A0883

Leader in Biomolecular Solutions for Life Science



Ku70 Rabbit pAb

Catalog No.: A0883

8 Publications

Basic Information

Observed MW

70kDa

Calculated MW

70kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, IF/ICC, 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 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

2547

Swiss Prot

P12956

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 408-609 of human Ku70 (NP_001460.1).

Synonyms

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

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

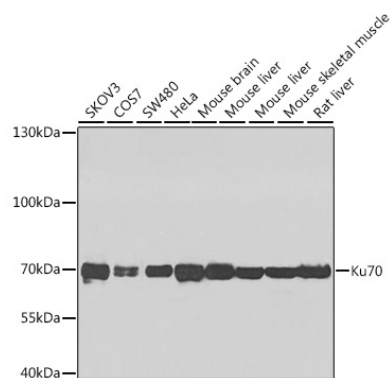
Affinity purification

Storage

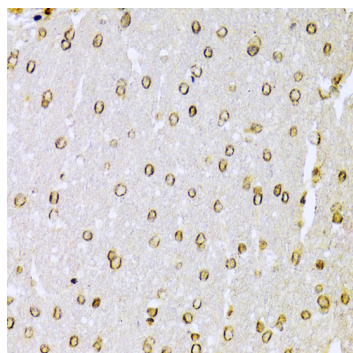
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

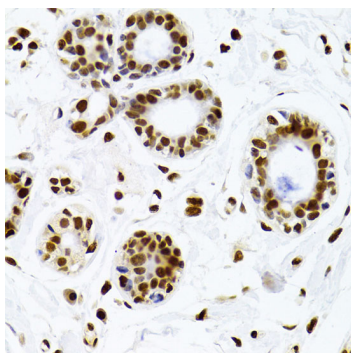
Validation Data



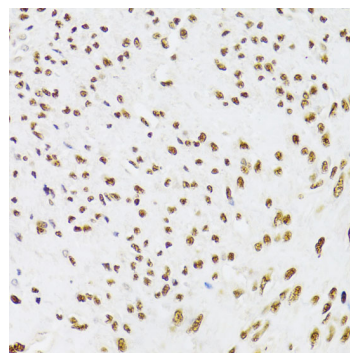
Western blot analysis of extracts of various cell lines, using Ku70 antibody (A0883) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Enhanced Kit (RM00021).
 Exposure time: 60s.



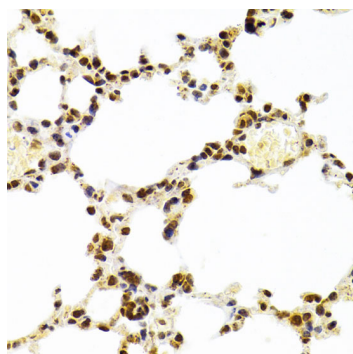
Immunohistochemistry analysis of paraffin-embedded rat brain using Ku70 Antibody (A0883) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



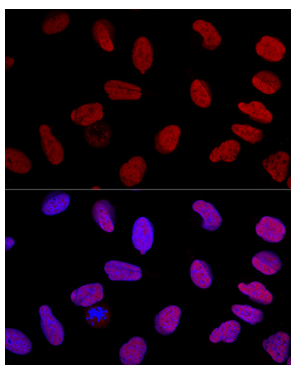
Immunohistochemistry analysis of paraffin-embedded human breast using Ku70 Antibody (A0883) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human leiomyoma of uterus using Ku70 Antibody (A0883) 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 mouse lung using Ku70 Antibody (A0883) 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.



Confocal immunofluorescence analysis of U2OS cells using Ku70 Polyclonal Antibody (A0883) at dilution of 1:100. Blue: DAPI for nuclear staining.