

# Ku70 Rabbit mAb

Catalog No.: A11223

Recombinant

1 Publications

## Basic Information

**Observed MW**

70kDa

**Calculated MW**

70kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P, IF/ICC

**Cross-Reactivity**

Human, Mouse

**CloneNo number**

ARC0551

## 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

|               |                |
|---------------|----------------|
| <b>WB</b>     | 1:500 - 1:1000 |
| <b>IHC-P</b>  | 1:50 - 1:200   |
| <b>IF/ICC</b> | 1:50 - 1:200   |

## Immunogen Information

**Gene ID**

2547

**Swiss Prot**

P12956

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 500-609 of human Ku70 (P12956).

**Synonyms**

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

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

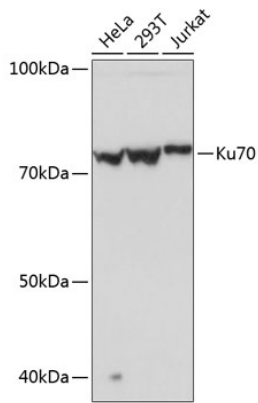
Affinity purification

**Storage**

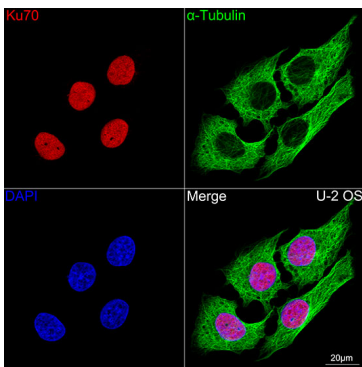
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

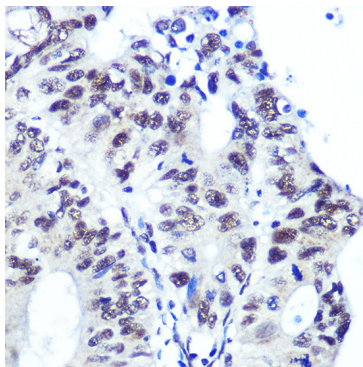
## Validation Data



Western blot analysis of various lysates using Ku70 Rabbit mAb (A11223) 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: 1s.



Confocal imaging of U-2 OS cells using Ku70 Rabbit mAb (A11223, dilution 1:100) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using Ku70 Rabbit mAb (A11223) 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.