

Datasheet for ABIN3029657  
**anti-XRCC6 antibody (AA 432-461)**



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5 Images

## Overview

Quantity:	0.4 mL
Target:	XRCC6
Binding Specificity:	AA 432-461
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Immunogen:	A portion of amino acids 432-461 from the human protein was used as the immunogen for this Ku70 antibody.
Isotype:	Ig Fraction
Purification:	Purified

## Target Details

Target:	XRCC6
Alternative Name:	Ku70 ( <a href="#">XRCC6 Products</a> )
Background:	Ku70 is a single stranded DNA-dependent ATP-dependent helicase. It has a role in chromosome translocation. The DNA helicase II complex binds preferentially to fork-like ends of double-stranded DNA in a cell cycle-dependent manner. It works in the 3'-5' direction. Binding

## Target Details

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to DNA may be mediated by p70. It is involved in DNA nonhomologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The Ku p70/p86 dimer acts as regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA by 100-fold. The Ku p70/p86 dimer is probably involved in stabilizing broken DNA ends and bringing them together.

UniProt: [P12956](#)

Pathways: [DNA Damage Repair](#)

## Application Details

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Application Notes: Titration of the Ku70 antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, IHC (Paraffin): 1:10-1:50, Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

## Handling

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Format: Liquid

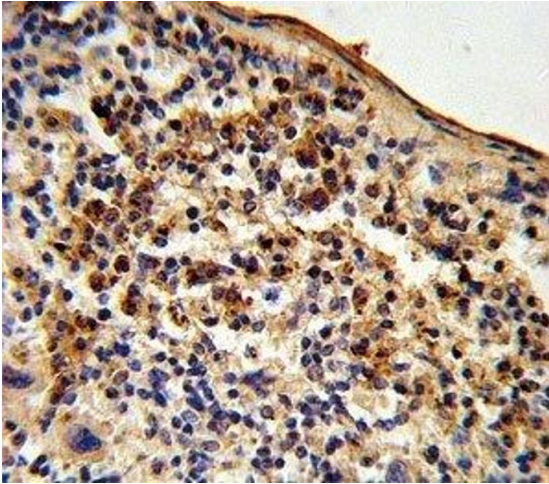
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

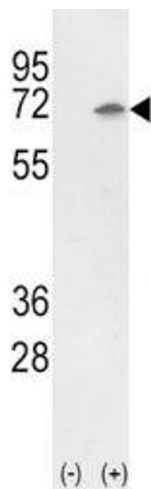
Storage: -20 °C

Storage Comment: Aliquot the Ku70 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



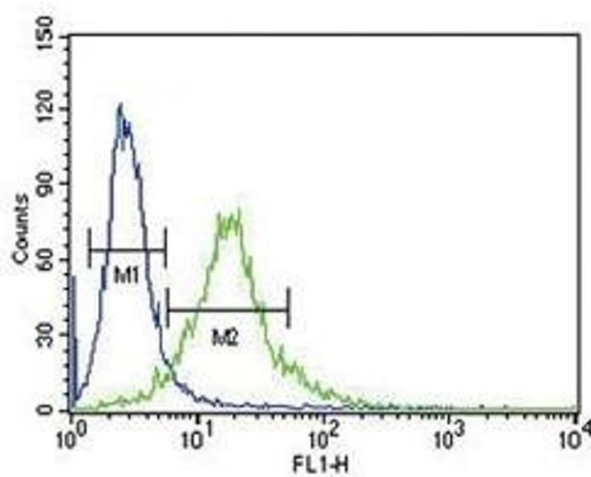
### Immunohistochemistry

**Image 1.** IHC analysis of FFPE mouse spleen tissue stained with Ku70 antibody



### Western Blotting

**Image 2.** Western blot analysis of Ku70 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Ku70 gene (2).



### Flow Cytometry

**Image 3.** Ku70 antibody flow cytometric analysis of 293 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3029657.