EnkiLife

Product Name: Ku70 (7B1) Mouse Monoclonal Antibody
Catalog #: AMM03519

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF,IP,ChIP
Reactivity	Human,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50,ChIP 1:20
Molecular Weight	Calculated MW: 70 kDa; Observed MW: 67 kDa

Antigen Information

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Gene Name	XRCC6
Alternative Names	XRCC6; G22P1; X-ray repair cross-complementing protein 6; 5'-deoxyribose-5-phosphate lyase Ku70; 5'-dRP lyase Ku70; 70 kDa subunit of Ku antigen; ATP-dependent DNA helicase 2 subunit 1; ATP-dependent DNA helicase II 70 kDa subunit; CTC box-
Gene ID	2547
SwissProt ID	P12956
Immunogen	A synthetic peptide of human Ku70

Background

It works in the 3'-5' direction. Binding to DNA may be mediated by XRCC6. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The XRCC5/6 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 XRCC5/6 dimer is probably involved in stabilizing broken DNA ends and bringing them together.
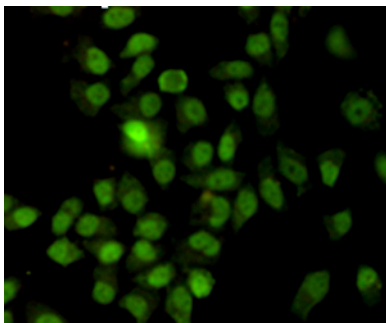
Research Area
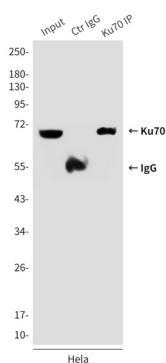
Epigenetics and Nuclear Signaling

Image Data
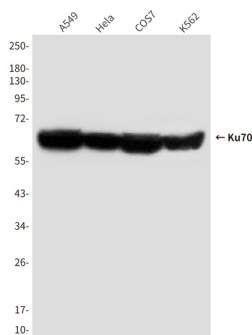
Western blot analysis of Ku70 in Hela, A549, COS7 and K562 lysates using Ku70 antibody.

Immunocytochemistry analysis of Ku70 (7B1) in HeLa using Ku70 antibody.

Immunoprecipitation analysis of Ku70 (7B1) in Hela lysates using Ku7 antibody.