

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



Summary

Production Name	Ku70 (7B1) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB, ICC/IF, IP, ChIP
Reactivity	Human, Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	XRCC6 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-
Alternative Names	
Gene ID	2547
SwissProt ID	P12956.

Application

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

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



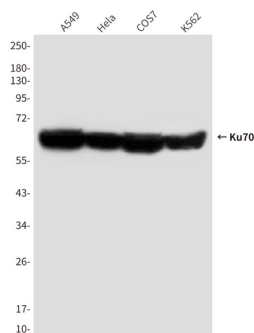
Background

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.

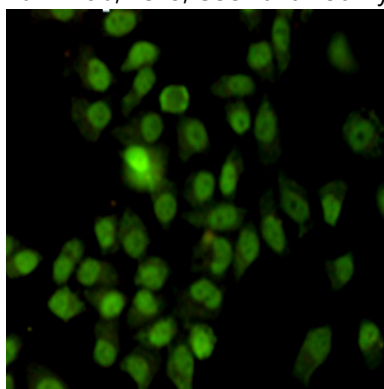
Research Area

Epigenetics and Nuclear Signaling

Image Data

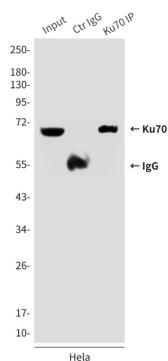


Western blot analysis of Ku70 in HeLa, A549, COS7 and K562 lysates using Ku70 antibody.



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

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



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

Note

For research use only.