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## Summary

<b>Production Name</b>	Ku80 (8H1) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC/IF,IP,ChIP
<b>Reactivity</b>	Human,Monkey

## Performance

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

## Immunogen

<b>Gene Name</b>	XRCC5 XRCC5; G22P2; X-ray repair cross-complementing protein 5; 86 kDa subunit of Ku antigen; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II 80 kDa subunit; CTC box-binding factor 85 kDa subunit; CTC85; CTCBF; DNA repair pr
<b>Alternative Names</b>	
<b>Gene ID</b>	7520
<b>SwissProt ID</b>	P13010

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20 ChIP: 1/20
<b>Molecular Weight</b>	Calculated MW: 83 kDa; Observed MW: 86 kDa

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**Catalog #: AMM03521**

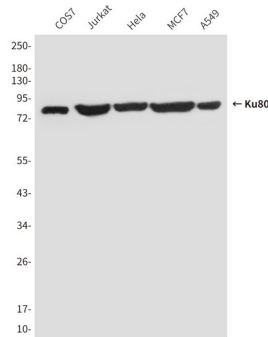
## Background

Ku80 the 80-kilodalton subunit of the Ku complex, also known as ATP-dependant DNA helicase II. A single stranded DNA-dependent ATP-dependent helicase. It functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events.

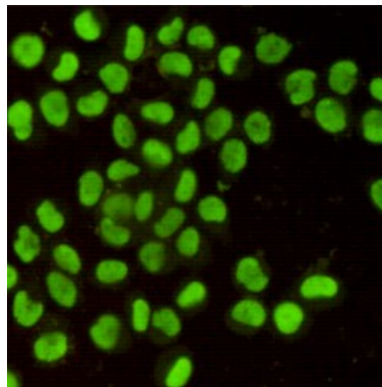
## Research Area

Epigenetics and Nuclear Signaling

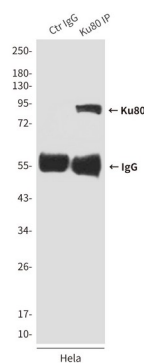
## Image Data



Western blot analysis of Ku80 in COS7, Jurkat, HeLa, MCF-7 and A549 lysates using Ku80 antibody.



Immunofluorescence analysis of Ku80 (8H1) in HeLa using Ku80 antibody.



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Immunoprecipitation analysis of Ku80 (8H1) in Hela lysates using Ku8 antibody.

**Note**

For research use only.