Product Name: Ku80 (8H1) Mouse Monoclonal Antibody
Catalog #: AMM03521
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: 83 kDa; Observed MW: 86 kDa

Antigen Information

Gene Name	XRCC5
Alternative Names	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
Gene ID	7520
SwissProt ID	P13010
Immunogen	A synthetic peptide of human Ku80

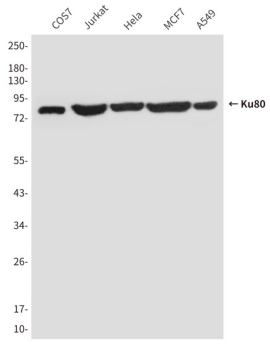
Background

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.

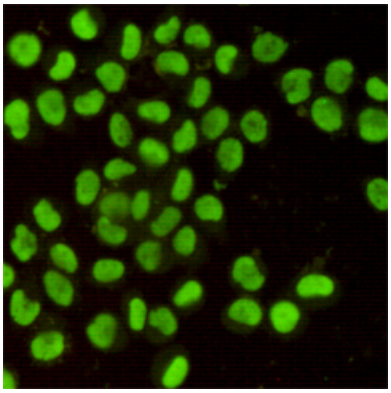
Research Area

Epigenetics and Nuclear Signaling

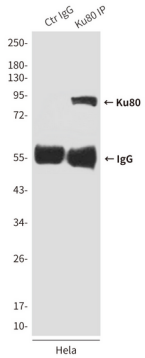
Image Data



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.



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