Ku80(XRCC5) antibody

Catalog No: #22944

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Ku80(XRCC5) antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 315 and 563 of Ku80 (XRCC5)
Target Name	Ku80(XRCC5)
Accession No.	Swiss-Prot:P13010Gene ID:7520
Uniprot	P13010
GeneID	7520;
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

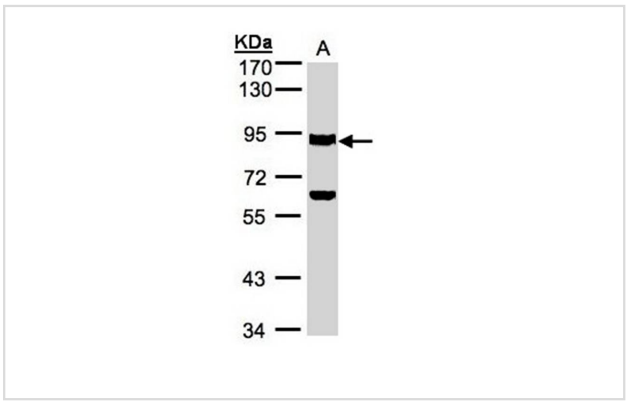
Predicted MW: 83kd

Western blotting: 1:500-1:3000

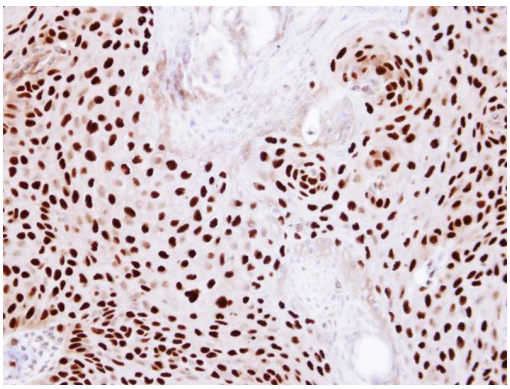
Immunohistochemistry: 1:100-1:250

Immunofluorescence: 1:100-1:200

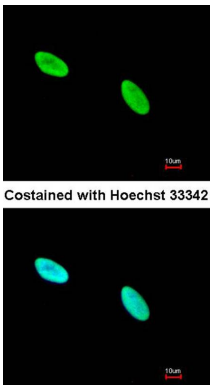
Images



Sample (30ug whole cell lysate)
A: MOLT4
7.5% SDS PAGE
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded Cal27 Xenograft, using Ku80 (XRCC5) antibody at 1: 100 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using Ku80 (XRCC5) antibody at 1: 200 dilution.

Background

The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and 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. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. [provided by RefSeq]

Note: This product is for in vitro research use only