

XRCC5 Rabbit Polyclonal Antibody

Catalog No: #53580

Package Size: #53580-1 50ul #53580-2 100ul

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

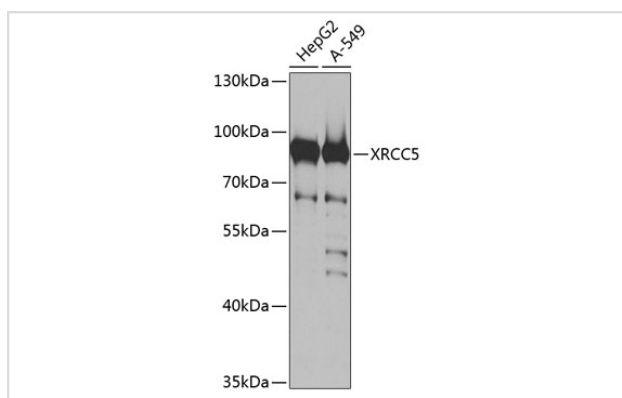
Description

Product Name	XRCC5 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human XRCC5 (NP_066964.1).
Other Names	XRCC5;KARP-1;KARP1;KU80;KUB2;Ku86;NFIV
Accession No.	Swiss Prot:P13010GeneID:7520
Calculated MW	82kDa
SDS-PAGE MW	83kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

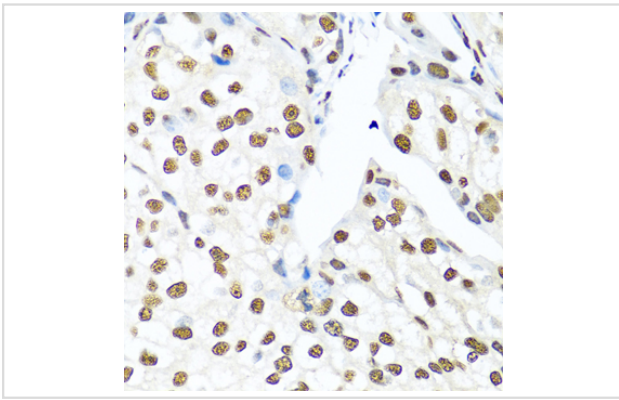
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

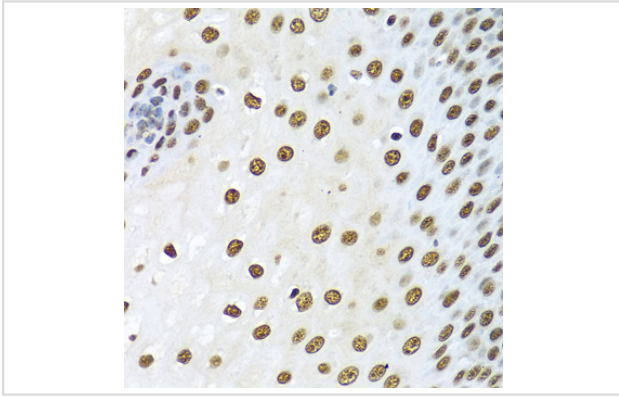
Images



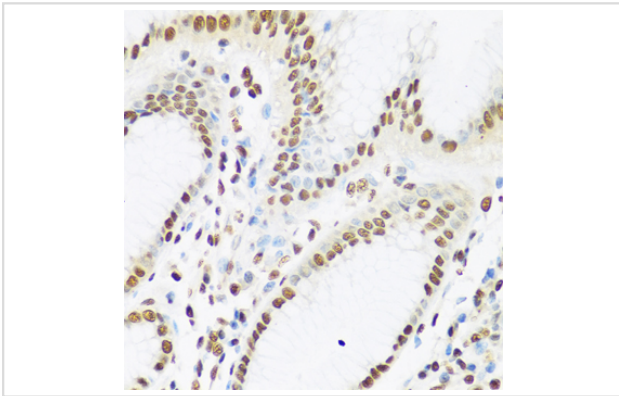
Western blot analysis of extracts of various cell lines, using XRCC5 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human prostate cancer using XRCC5 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophagus using XRCC5 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using XRCC5 at dilution of 1:100 (40x lens).

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.