



## **XRCC5 Polyclonal Antibody**

Catalog No: tcba9743

Available Sizes	
Size: 50ul	
Size: 100ul	
Size: 200ul	
Specifications	
<b>Application:</b> WB,IHC,IF,IP	
Research Area: Cancer, DNA Damage/Repair, RNA Binding Protein(RBP),	
Species Reactivity: Human	
<b>Host Species:</b> Rabbit	
Isotype: IgG	
Form: Liquid	
<b>Storage Buffer:</b> Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH	7.3.

## **Recommended Dilution:**

WB 1:500 - 1:2000 IHC 1:100 - 1:200 IF 1:20 - 1:100 IP 1:50 - 1:200



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Storage Instruction: Store at -20°C. Avoid freeze / thaw cycles.	
Alternative Names:	
KARP-1;KARP1;KU80;Ku86;KUB2;NFIV	
SwissProt:	
P13010	
Gene ID:	
7520 (human);	
Calculated Molecular Weight:	
82kDa	
Purification:	
Affinity purification	

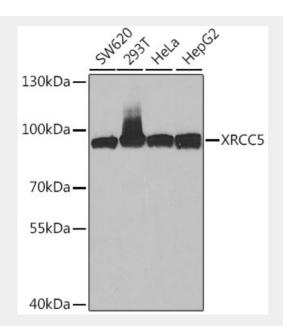
## **Cellular Location:**

Chromosome, Nucleus, nucleolus,

## **Product Description**

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.





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

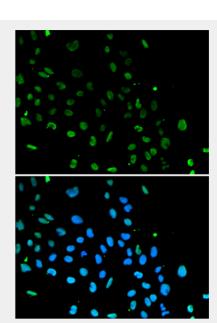
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

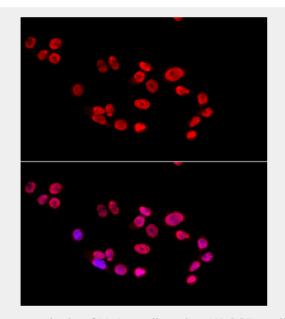
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.

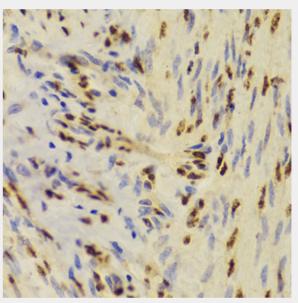
Exposure time: 60s.



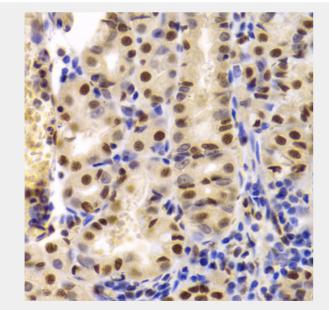
Immunofluorescence analysis of A549 cells using XRCC5 antibody. Blue: DAPI for nuclear staining.



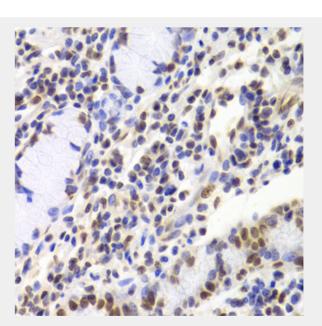
Immunofluorescence analysis of HeLa cells using XRCC5 antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



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

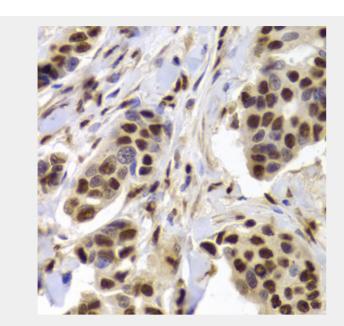


Immunohistochemistry of paraffin-embedded human stomach using XRCC5 Antibody at dilution of 1:100 (40x lens).

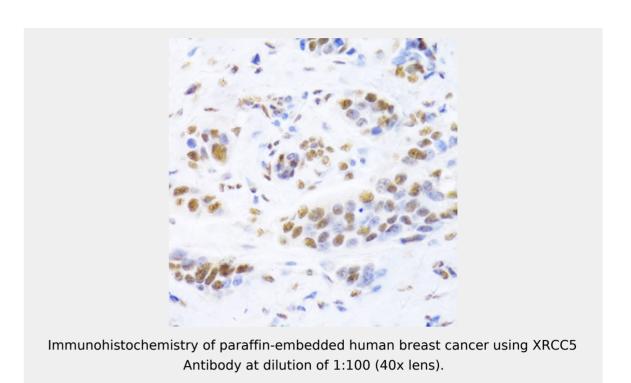


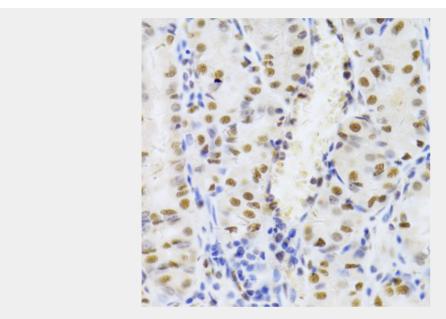
Immunohistochemistry of paraffin-embedded human gastric cancer using XRCC5 Antibody at dilution of 1:100 (40x lens).



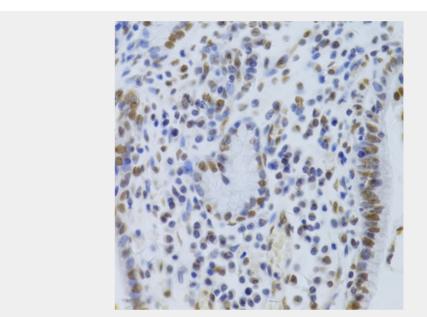


Immunohistochemistry of paraffin-embedded human breast cancer using XRCC5 Antibody at dilution of 1:100 (40x lens).

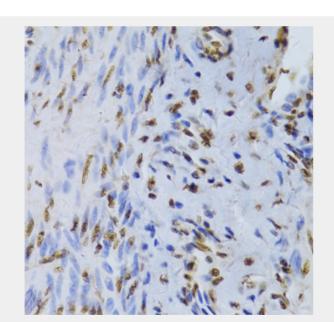




Immunohistochemistry of paraffin-embedded human stomach using XRCC5
Antibody at dilution of 1:100 (40x lens).



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



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

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