

## anti- XRCC5/Ku80 antibody

### Product Information

Catalog No.:	FNab09555
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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.

### Immunogen information

Immunogen:	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)
Synonyms:	86 kDa subunit of Ku antigen, CTC85, CTCBF, DNA repair protein XRCC5, FLJ39089, G22P2, KARP 1, KARP1, Ku80, Ku86, KUB2, NFIV, Nuclear factor IV, Thyroid lupus autoantigen, TLAA, XRCC5
Observed MW:	Refer to figures
UniprotID :	P13010

### Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

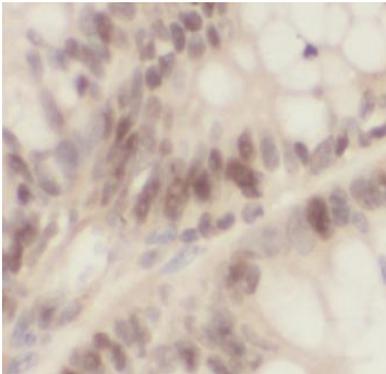
## Application

Reactivity: Human

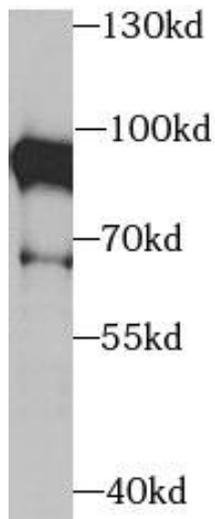
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human colon cancer using FNab09555(XRCC5 antibody) at dilution of 1:100



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab09555(XRCC5 antibody) at dilution of 1:1000

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