

Nur für Forschungszwecke

XRCC5/Ku80 Polyklonaler Antikörper



Katalog-Nr.:16389-1-AP

Vorgestelltes Produkt

24 Publikationen

Allgemeine Informationen

Katalog-Nr.: 16389-1-AP	GenBank-Zugangsnummer: BC019027	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 700 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 7520	Empfohlene Verdünnungen: WB 1:500-1:2000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	IHC 1:20-1:200 IF 1:20-1:200
Isotyp: IgG	Berechnete Masse: 732 aa, 83 kDa	
Immunogen Katalognummer: AG9454	Beobachtete Masse: 80-83 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen: WB : HepG2-Zellen, A431-Zellen, HEK-293-Zellen, HeLa-Zellen, humanes Lebergewebe, K-562-Zellen IP : HEK-293-Zellen, IHC : humanes Kolonkarzinomgewebe, humanes Lungenkarzinomgewebe IF : HepG2-Zellen,
In Publikationen genannte Anwendungen: ChIP, ColP, IF, IHC, IP, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Hausschwein, Human, Maus	

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

There are at least two pathways for eukaryotes to repair DNA double-strand breaks: homologous recombination and nonhomologous end joining(NHEJ). The core NHEJ machinery includes XRCC4, DNA ligase IV and the DNA-dependent protein kinase complex, which consists of the DNA end-binding XRCC5/XRCC6 heterodimer and the catalytic subunit PRKDC. The heterodimer of XRCC5/XRCC6 enhanced the affinity of the catalytic subunit PRKDC to DNA by 100-fold. Once the XRCC5/6 dimer association with NAA15, it can bind to the osteocalcin promoter and activate osteocalcin expression. The XRCC5/6 dimer acts as a negative regulator of transcription when together with APEX1. Some published papers indicated that the MW of XRCC5 is 86kDa, while more papers suggested that XRCC5 is a 80kDa protein, as it was firstly introduced in publication. Thus, Ku80 and Ku86 are the same protein.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xin Wen	36249018	Front Oncol	WB
Yingying Shi	34489398	Cell Death Dis	WB
L Hu	27593939	Oncogene	IF

Lagerung

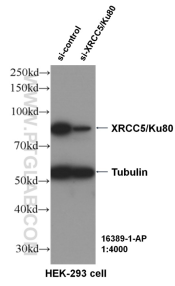
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

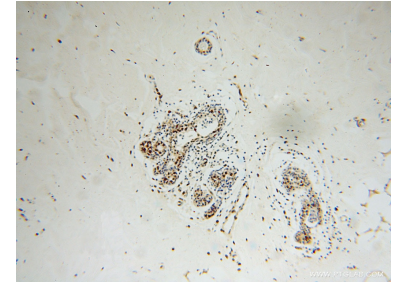
Ausgewählte Validierungsdaten



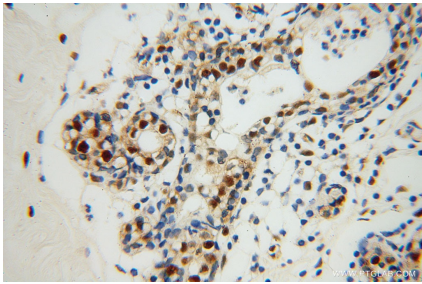
WB result of Ku80 antibody (16389-1-AP, 1:4000) with si-Control and si-Ku80 transfected HEK-293 cells.



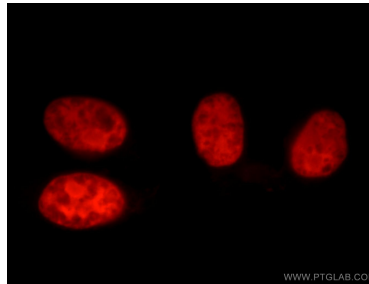
HepG2 cells were subjected to SDS PAGE followed by western blot with 16389-1-AP (XRCC5/Ku80 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



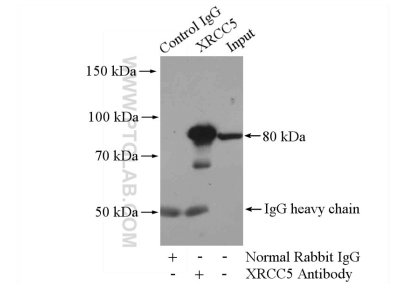
Immunohistochemical analysis of paraffin-embedded human colon cancer using 16389-1-AP (XRCC5/Ku80 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16389-1-AP (XRCC5/Ku80 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using XRCC5 antibody 16389-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-XRCC5/Ku80 (IP:16389-1-AP, 4ug; Detection:16389-1-AP 1:1000) with HEK-293 cells lysate 1200ug.