

Nur für Forschungszwecke

XRCC5 Monoklonaler Antikörper

Katalog-Nr.: 66546-1-Ig **3 Publikationen**



Allgemeine Informationen

Katalog-Nr.: 66546-1-Ig	GenBank-Zugangsnummer: BC019027	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 1400 µg/ml von 7520 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): Vollständiger Name: X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	CloneNo.: 2G5E7
Wirt: Maus	Berechnete Masse: 732 aa, 83 kDa	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 µg für IP und 1:5000-1:50000 für WB
Isotyp: IgG1	Beobachtete Masse: 80-83 kDa	IHC 1:500-1:2000 IF 1:50-1:500
Immunogen Katalognummer: AG9512		

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen: WB : HeLa-Zellen, HEK-293-Zellen, HepG2-Zellen, MCF-7-Zellen IP : HeLa-Zellen,
In Publikationen genannte Anwendungen: IF, WB	IHC : humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe
Getestete Reaktivität: Human, Maus, Ratte	IF : HeLa-Zellen,
Zitierte Arten: Human	

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung 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
Na Yu	35771585	Cell Biol Int	IF
Tao Wang	35036867	iScience	IF
Chen Zhou	35998796	Cancer Lett	WB

Lagerung

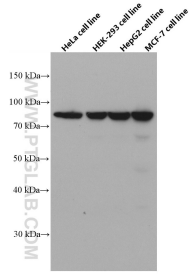
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

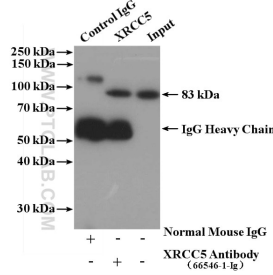
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

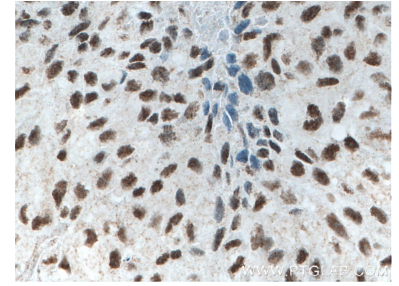
Ausgewählte Validierungsdaten



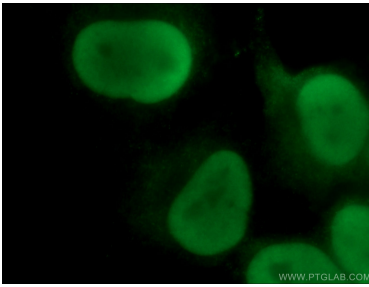
Various lysates were subjected to SDS PAGE followed by western blot with 66546-1-Ig (XRCC5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



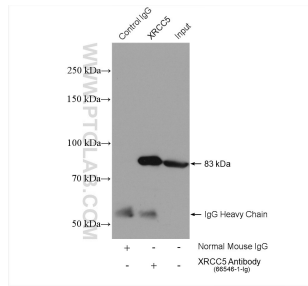
IP result of anti-XRCC5 (IP:66546-1-Ig, 5ug; Detection:66546-1-Ig 1:20000) with HeLa cells lysate 3200 ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66546-1-Ig (XRCC5 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66546-1-Ig (XRCC5 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IP result of anti-XRCC5 (IP:66546-1-Ig, 5ug; Detection:66546-1-Ig 1:40000) with HeLa cells lysate 640 ug.