

À des fins de recherche uniquement

# Anticorps Monoclonal anti-XRCC5

Numéro de catalogue: CL594-66546



## Informations de base

<b>Numéro de catalogue:</b> CL594-66546	<b>Numéro d'acquisition GenBank:</b> BC019027	<b>Méthode de purification:</b> Purification par protéine G
<b>Taille:</b> 100ul , Concentration: 908 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 7520	<b>CloneNo.:</b> 2G5E7
<b>Hôte:</b> Mouse	<b>Nom complet:</b> X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	<b>Dilutions recommandées:</b> 1:50-1:500
<b>Isotype:</b> IgG1	<b>MW calculé</b> 732 aa, 83 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG9512	<b>MW observés:</b> 80-83 kDa	

## Applications

<b>Applications testées:</b> FC (Intra), IF	<b>Contrôles positifs:</b> IF : cellules HeLa,
<b>Spécificité de l'espèce:</b> Humain	

## Informations générales

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.

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

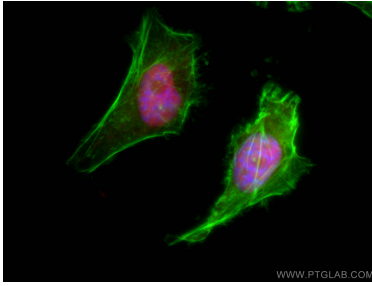
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

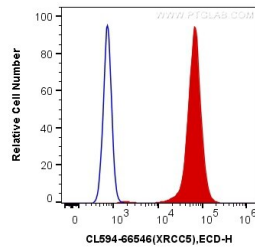
E: proteintech@ptglab.com  
W: ptglab.com

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

## Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®594-conjugated XRCC5 antibody (CL594-66546, Clone: 2G5E7) at dilution of 1:100.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human XRCC5 (CL594-66546, Clone:2G5E7) (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).