

À des fins de recherche uniquement

Anticorps Monoclonal anti-XRCC5

Numéro de catalogue: CL555-66546



Informations de base

Numéro de catalogue: CL555-66546	Numéro d'acquisition GenBank: BC019027	Méthode de purification: Purification par protéine G
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 7520	CloneNo.: 2G5E7
Hôte: Mouse	Nom complet: X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	Dilutions recommandées: 1:50-1:500
Isotype: IgG1	MW calculé 732 aa, 83 kDa	Excitation/Emission maxima wavelengths: 557 nm / 570nm
Immunogen Catalog Number: AG9512	MW observés: 80-83 kDa	

Applications

Applications testées: FC (Intra), IF	Contrôles positifs: IF : cellules HeLa,
Spécificité de l'espèce: 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.
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.**

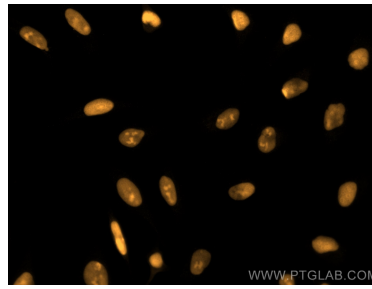
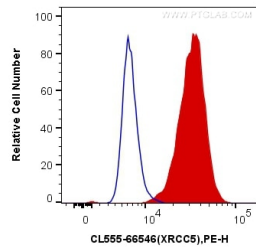
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human XRCC5 (CL555-66546, Clone:2G5E7) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®555 XRCC5 antibody (CL555-66546, Clone: 2G5E7) at dilution of 1:200.