À des fins de recherche uniquement

Anticorps Monoclonal anti-XRCC5

Numéro de catalogue:CL488-66546

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
CL488-66546

Taille:
100ul , Concentration: 882 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG9512

Numéro d'acquisition GenBank:
BC019027

Identification du gène (NCBI):
7520

Nom complet:
X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)

MW calculé
732 aa, 83 kDa

MW observés:
80-83 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
2G5E7

Dilutions recommandées:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Applications testées:
FC (Intra), IF

Spécificité de l'espèce:
Humain, rat, souris

Contrôles positifs:

IF : cellules HepG2, cellules HeLa

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 heterdimer of XRCC5/XRCC6 enhanced teh 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 publised papers indicated that the MW of XRCC5 is 86kDa, while more papers suggested that XRCC5 is a 80kDa protein, as it was firstly introducted in publication. Thus, Ku80 and Ku86 are the same protein.

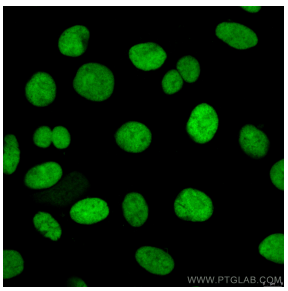
Stockage

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

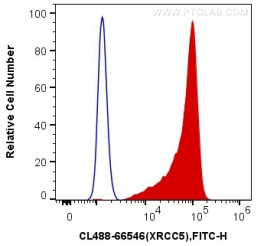
***** Les 20ul contiennent 0,1% de BSA.**

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

Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-66546 (XRCC5 antibody) at dilution of 1:100.



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human XRCC5 (CL488-66546, Clone:2G5E7) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).