À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-XRCC5/Ku80

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:16389-1-AP Phare 26 Publications

Informations de base

Numéro de catalogue:
16389-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop and 333 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG9454

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 affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:20-1:200
IF 1:20-1:200

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
ChIP, CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, porc, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HepG2, cellules A431, cellules HEK-293, cellules HeLa, cellules K-562, tissu hépatique humain

IP : cellules HEK-293,

IHC : tissu de cancer du côlon humain, tissu de cancer du poumon humain

IF : cellules HepG2,

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.

Publications notables

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

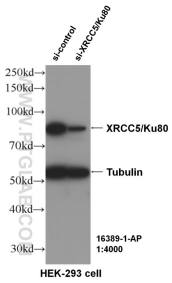
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

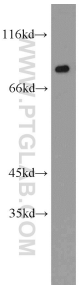
***** Les 20ul contiennent 0,1% de BSA.**

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

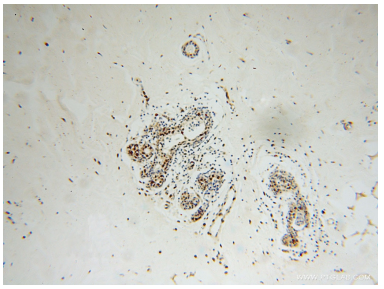
Données de validation sélectionnées



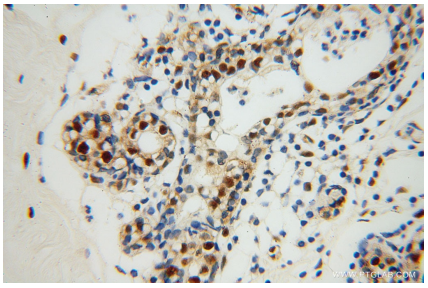
WB result of Ku80 antibody (16389-1-AP, 1:4000) with si-Control and si-Ku80 transfected HEK-293 cells.



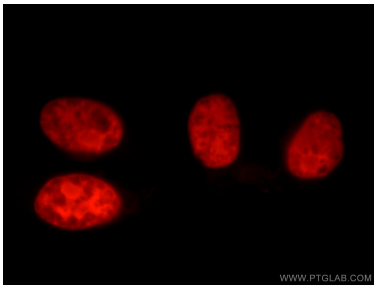
HepG2 cells were subjected to SDS PAGE followed by western blot with 16389-1-AP (XRCC5/Ku80 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



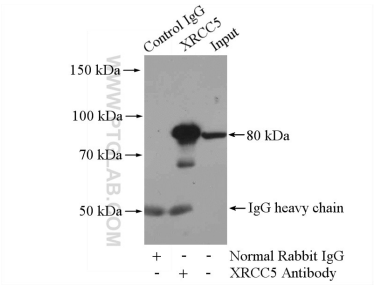
Immunohistochemical analysis of paraffin-embedded human colon cancer using 16389-1-AP (XRCC5/Ku80 antibody) at dilution of 1:100 (under 10x lens).



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.