À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-OGG1

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:15125-1-AP Phare 25 Publications

Informations de base

Numéro de catalogue:
15125-1-AP

Taille:
150ul , Concentration: 350 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG7204

Numéro d'acquisition GenBank:
BC000657

Identification du gène (NCBI):
4968

Nom complet:
8-oxoguanine DNA glycosylase

MW calculé
22 kDa, 36-40 kDa, 45-57 kDa

MW observés:
47 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, rat, 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 A549, cellules HEK-293 transfectées, cellules HeLa, tissu cardiaque de souris, tissu de muscle squelettique de rat, tissu de muscle squelettique de souris, tissu rénal de rat

IP : tissu cardiaque de souris,

IHC : tissu hépatique humain,

IF : cellules HepG2,

Informations générales

The DNA damages induced by ROS contain base modification, base loss, and DNA single strand breaks, which are usually repaired by the base excision repair (BER) pathway in both prokaryotes and eukaryotes. OGG1 (The human 8-oxoguanine glycosylase 1) is the primary enzyme in BER pathway, responsible for the excision of 7, 8-dihydro-8-oxoguanine (8-oxoG), a mutagenic base byproduct that occurs as a result of exposure to reactive oxygen species. There's 8 isoforms of OGG1, with calculated MW 22 kDa, 36-40 kDa and 45-57 kDa. The difference among these isoforms is the C-terminal (317-345aa). Our OGG1 antibody detects all the isoforms. We always got the strongest 47 kDa corresponds to isoform Beta in our detection and some weaker bands (with long time exposure). The expression amount of Beta is higher than other isoforms from our data. This antibody has been cited in more than 4 publications, WB and IHC detection in mouse and human.

Publications notables

Autrice	Pubmed ID	Journal	Application
Zhijian Zheng	36280140	Cell Mol Gastroenterol Hepatol	WB
Jie Fan	36435451	Virol Sin	WB,IF
Rachel Adihe Lokanga	24858908	Hum Mol Genet	WB

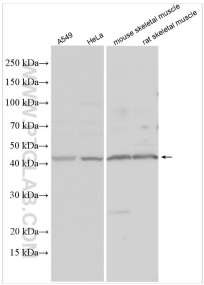
Stockage

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

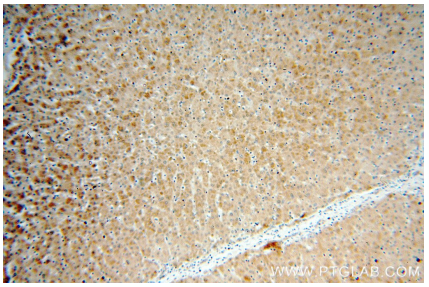
*** Les 20ul contiennent 0,1% de BSA.

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

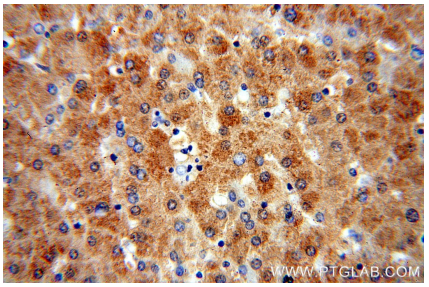
Données de validation sélectionnées



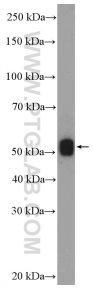
Various lysates were subjected to SDS PAGE followed by western blot with 15125-1-AP (OGG1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



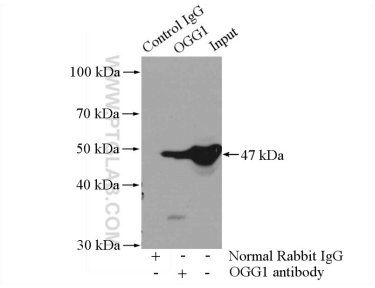
Immunohistochemical analysis of paraffin-embedded human liver using 15125-1-AP (OGG1 antibody) at dilution of 1:100 (under 10x lens).



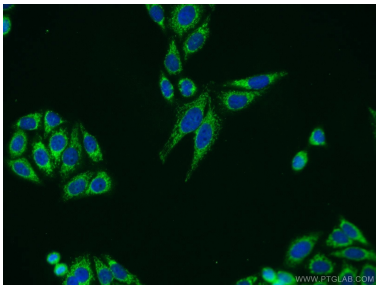
Immunohistochemical analysis of paraffin-embedded human liver using 15125-1-AP (OGG1 antibody) at dilution of 1:100 (under 40x lens).



rat kidney tissue were subjected to SDS PAGE followed by western blot with 15125-1-AP (OGG1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-OGG1 (IP:15125-1-AP, 4ug; Detection:15125-1-AP 1:500) with mouse heart tissue lysate 3200ug.



Immunofluorescent analysis of HepG2 cells using 15125-1-AP (OGG1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).