À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-peroxiredoxin 2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:10545-2-AP Phare 45 Publications

Informations de base

Numéro de catalogue:
10545-2-AP

Taille:
150ul , Concentration: 400 μg/ml by Nanodrop and 200 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0835

Numéro d'acquisition GenBank:
BC003022

Identification du gène (NCBI):
7001

Nom complet:
peroxiredoxin 2

MW calculé
22 kDa

MW observés:
22 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000
IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
IHC 1:300-1:1200
IF 1:50-1:500

Applications

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

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

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 HepG2, cellules C2C12, cellules PC-12

IP : cellules HepG2,

IHC : tissu hépatique humain, tissu de cirrhose hépatique humain

IF : cellules HepG2, cellules HeLa

Informations générales

PRDX2, also named as TSA, PRP, NKEFB and TDPX1, belongs to the ahpC/TSA family. It is known to act as an antioxidant enzyme whose main function is H2O2 reduction in cells. PRDX2 is involved in redox regulation of the cell. It reduces peroxides with reducing equivalents provided through the thioredoxin system. It may play an important role in eliminating peroxides generated during metabolism. PRDX2 might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H2O2. PRDX2 actions may be related to the expression of NFKB and IKB.(PMID:21248284)

Publications notables

Autrice	Pubmed ID	Journal	Application
Tingyi Zhao	32892658	Free Radic Res	WB
Ling Fu	31411056	Antioxid Redox Signal	WB
Zhiwei Liao	34476937	ACS Nano	WB

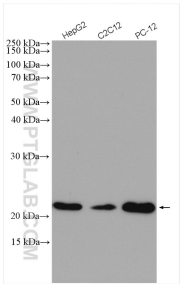
Stockage

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

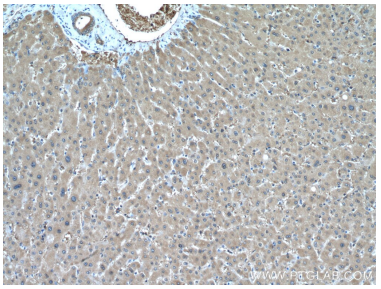
*** Les 20ul contiennent 0,1% de BSA.

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

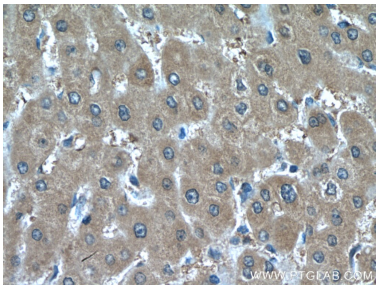
Données de validation sélectionnées



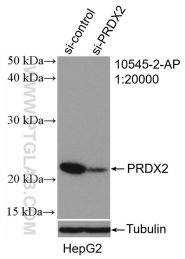
Various lysates were subjected to SDS PAGE followed by western blot with 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



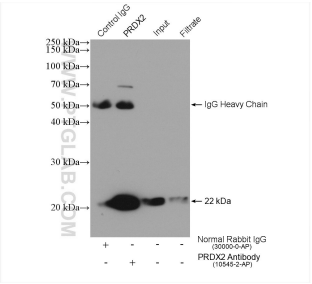
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



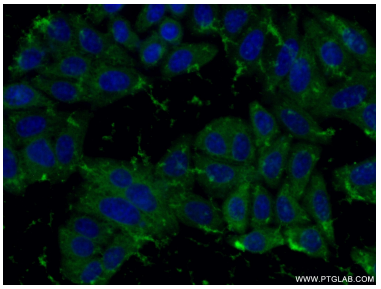
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of peroxiredoxin 2 antibody (10545-2-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-peroxiredoxin 2 transfected HepG2 cells.



IP result of anti-peroxiredoxin 2(IP:10545-2-AP, 4ug; Detection:10545-2-AP 1:4000) with HepG2 cells lysate 960 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).