

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PRDX4



Numéro de catalogue: 10703-1-AP

Phare

19 Publications

Informations de base

Numéro de catalogue:
10703-1-AP

Taille:
150ul, Concentration: 300 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG1177

Numéro d'acquisition GenBank:
BC007107

Identification du gène (NCBI):
10549

Nom complet:
peroxiredoxin 4

MW calculé
31 kDa

MW observés:
30 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 1:500-1:1000
for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

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

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain

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 A375, cellules HEK-293, cellules HepG2

IP : cellules HepG2,

IHC : tissu de cancer du côlon humain, tissu de cancer du foie humain, tissu de cancer du pancréas humain

IF : cellules HepG2,

Informations générales

PRDX4 (Peroxiredoxin-4) is also named as AOE37-2, Prx-IV and belongs to the AhpC/TSA family. PRDX4 is associated with acrosome formation during rat spermatogenesis and has a protective role in the male reproductive tract, because the phenotype of mice lacking this isoform includes testicular atrophy and increased sperm DNA damage (PMID:20864641). It is initially synthesized as a membrane-binding 31-kDa protein and processed into a 27-kDa secretory form and is discarded with the residual bodies (PMID:19208552). PRDX4 is a pentamer of dimers (PMID:23025503). This antibody is specific to PRDX4.

Publications notables

Autrice	Pubmed ID	Journal	Application
Ling Fu	31411056	Antioxid Redox Signal	WB
Chenhao Xu	33161253	Bioorg Chem	WB
Daria Sicari	31647176	FEBS J	WB,IHC,IF,IP

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.

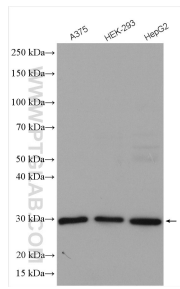
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

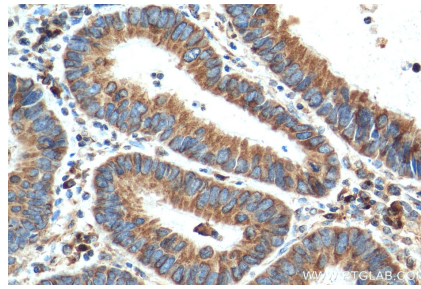
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

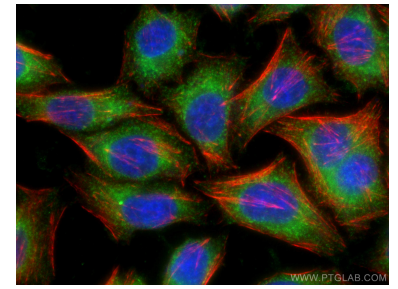
Données de validation sélectionnées



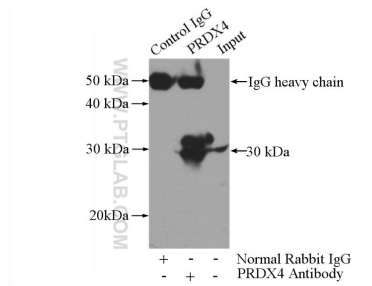
Various lysates were subjected to SDS PAGE followed by western blot with 10703-1-AP (PRDX4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



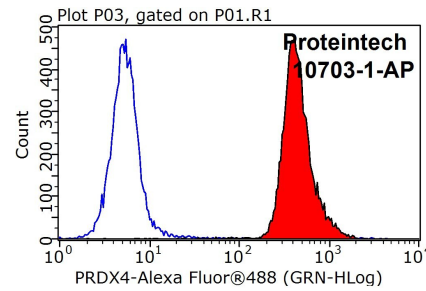
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10703-1-AP (PRDX4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



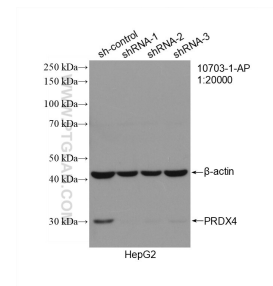
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PRDX4 antibody (10703-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-PRDX4 (IP:10703-1-AP, 3ug; Detection:10703-1-AP 1:500) with HepG2 cells lysate 4000ug.



1x10⁶ HepG2 cells were stained with 0.2ug PRDX4 antibody (10703-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



WB result of PRDX4 antibody (10703-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX4 transfected HepG2 cells.