

À des fins de recherche uniquement

Anticorps Monoclonal anti-PRDX1

Numéro de catalogue: 66820-1-Ig

Phare

3 Publications



Informations de base

Numéro de catalogue: 66820-1-Ig	Numéro d'acquisition GenBank: BC007063	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 5052	CloneNo.: 2B2A2
Hôte: Mouse	Nom complet: peroxiredoxin 1	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:200-1:800
Isotype: IgG1	MW calculé: 199 aa, 22 kDa	
Immunogen Catalog Number: AG8821	MW observés: 23 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

ColP, IP, 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; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules 4T1, cellules Caco-2, cellules HEK-293, cellules HSC-T6, cellules Jurkat, cellules LNCaP, cellules MCF-7, cellules NIH/3T3, cellules U2OS

IHC : tissu de cancer du foie humain,

IF : tissu de cancer du foie humain,

Informations générales

PRDX1 (Peroxiredoxin-1), also named as PAGA, PAGB, TDPX2, PAG or NKEF-A, belongs to the ahpC/TSA family. PRDX1 is a thiol reductase that plays critical roles in oxidative and thermal stress defense mechanisms through its abilities to metabolize H₂O₂ and act as a molecular chaperone, respectively. PRDX1 might participate in the signaling cascades of growth factors and tumor necrosis factor- α by regulating the intracellular concentrations of H₂O₂ (PMID: 9497357). It reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation. PRDX1 can form a dimer, and also can be phosphorylated on Thr-90 during the M-phase, which leads to a more than 80% decrease in enzymatic activity (PMID: 22583657, 11986303).

Publications notables

Autrice	Pubmed ID	Journal	Application
Ling Zhu	36290756	Antioxidants (Basel)	WB
Lin Lv	34260286	J Virol	WB, ColP
Zi-Jie Zhang	37101626	Heliyon	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'aliquoteage n'est pas nécessaire pour le stockage à -20C

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

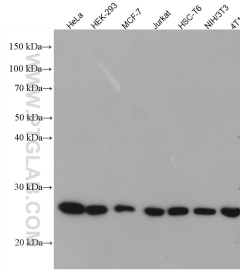
For technical support and original validation data for this product please contact:

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

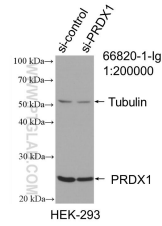
E: proteintech@ptglab.com
W: ptglab.com

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

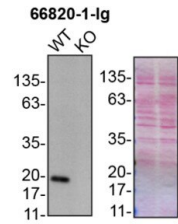
Données de validation sélectionnées



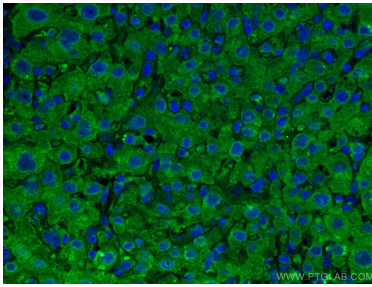
Various lysates were subjected to SDS PAGE followed by western blot with 66820-1-Ig (PRDX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



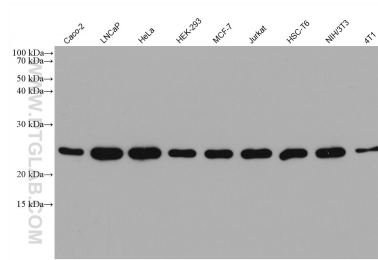
WB result of PRDX1 antibody (66820-1-Ig; 1:200000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX1 transfected HEK-293 cells.



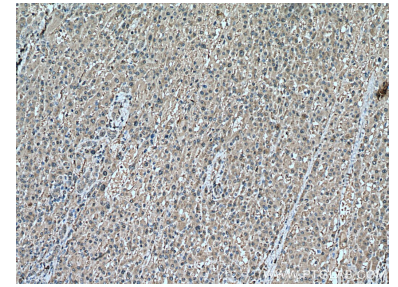
U2OS (WT and PRDX1 KO) lysates prepared with RIPA buffer, 10 µg protein loaded. 66820-1-Ig incubated at 1:5000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



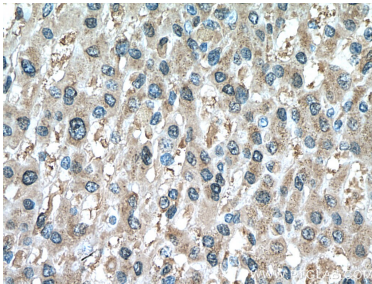
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using PRDX1 antibody (66820-1-Ig, Clone: 2B2A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66820-1-Ig (PRDX1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66820-1-Ig (PRDX1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66820-1-Ig (PRDX1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).