

Nur für Forschungszwecke

peroxiredoxin 2 Polyklonaler Antikörper



Katalog-Nr.:10545-2-AP

Vorgestelltes Produkt

44 Publikationen

Allgemeine Informationen

Katalog-Nr.: 10545-2-AP	GenBank-Zugangsnummer: BC003022	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 400 µg/ml von Nanodrop und 200 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 7001	Empfohlene Verdünnungen: WB 1:1000-1:8000 IP 0.5-4.0 ug für IP und 1:1000-1:8000 für WB IHC 1:300-1:1200 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: peroxiredoxin 2	
Isotyp: IgG	Berechnete Masse: 22 kDa	
Immunogen Katalognummer: AG0835	Beobachtete Masse: 22 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen: WB : HepG2-Zellen, C2C12-Zellen, PC-12-Zellen IP : HepG2-Zellen, IHC : humanes Lebergewebe, humanes Leberzirrhosegewebe IF : HepG2-Zellen, HeLa-Zellen
In Publikationen genannte Anwendungen: CoIP, IF, IHC, IP, RIP, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

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

Lagerung

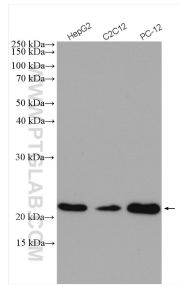
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

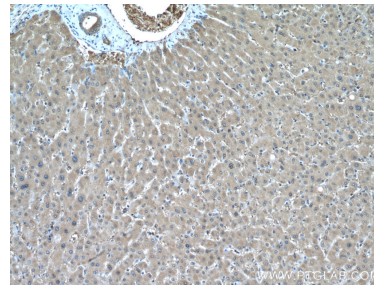
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

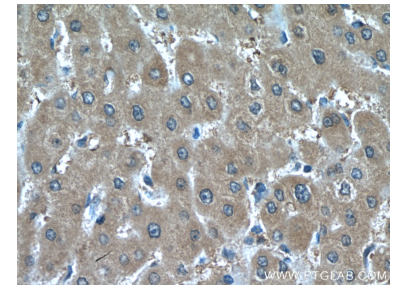
Ausgewählte Validierungsdaten



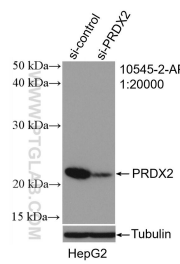
Various lysates were subjected to SDS PAGE followed by western blot with 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



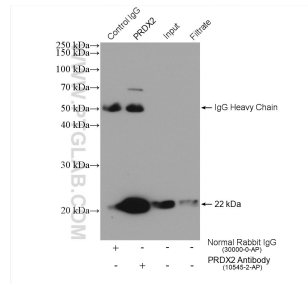
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:600 (under 10x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



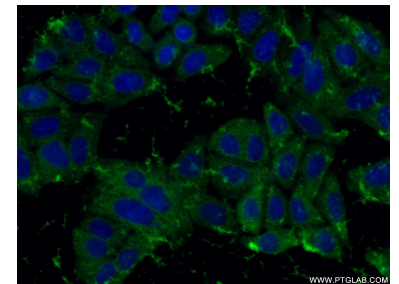
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10545-2-AP (peroxiredoxin 2 antibody) at dilution of 1:600 (under 40x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).