

Allgemeine Informationen

Katalog-Nr.: 10703-1-AP	GenBank-Zugangsnummer: BC007107	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 300 µg/ml von Nanodrop;	GeneID (NCBI): 10549	Empfohlene Verdünnungen: WB 1:1000-1:8000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: peroxiredoxin 4	IHC 1:50-1:500 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 31 kDa	
Immunogen Katalognummer: AG1177	Beobachtete Masse: 30 kDa	

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte

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

Positivkontrollen:

WB: A375-Zellen, HEK-293-Zellen, HepG2-Zellen

IP: HepG2-Zellen,

IHC: humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, humanes Pankreaskarzinomgewebe

IF: HepG2-Zellen,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

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**

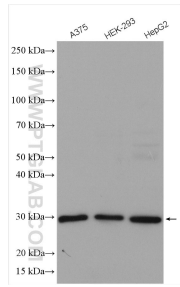
For technical support and original validation data for this product please contact:

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

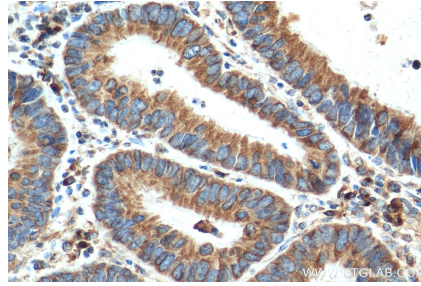
E: proteintech@ptglab.com
W: ptglab.com

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

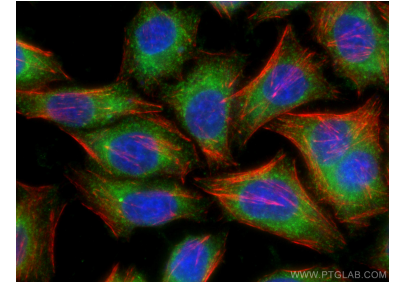
Ausgewählte Validierungsdaten



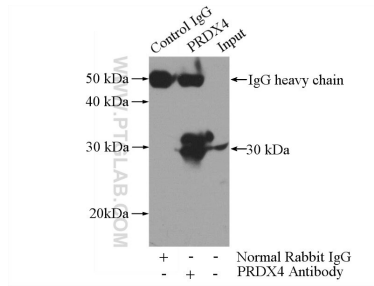
Various lysates were subjected to SDS PAGE followed by western blot with 10703-1-AP (PRDX4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



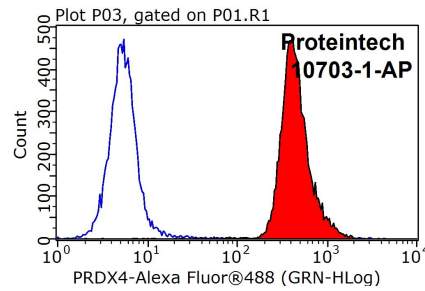
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10703-1-AP (PRDX4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



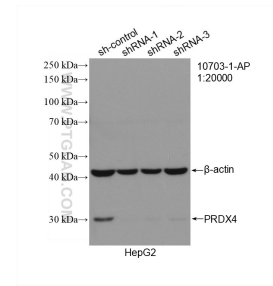
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PRDX4 antibody (10703-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.