

Nur für Forschungszwecke

PRDX1 Polyklonaler Antikörper

Katalog-Nr.:20568-1-AP

Vorgestelltes Produkt

1 Publikationen



Allgemeine Informationen

Katalog-Nr.: 20568-1-AP	GenBank-Zugangsnummer: NM_002574	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 800 µg/ml von Nanodrop und 480 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 5052	Empfohlene Verdünnungen: WB 1:1000-1:8000 IF 1:10-1:100
Wirt: Kaninchen	Vollständiger Name: peroxiredoxin 1	
Isotyp: IgG	Berechnete Masse: 22 kDa	
	Beobachtete Masse: 23 kDa	

Anwendungen

Geprüfte Anwendungen: IF, WB, ELISA	Positivkontrollen:
Getestete Reaktivität: Human, Maus, Ratte	WB : HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, MCF-7-Zellen
	IF : HepG2-Zellen, HeLa-Zellen

Hintergrundinformationen

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-alpha 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). The antibody is specific to PRDX1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Huifang Zhu	31130519	Cell Chem Biol	

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

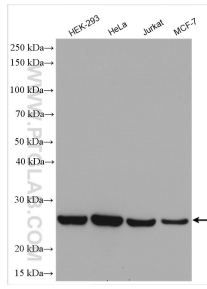
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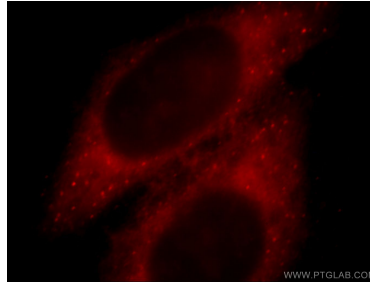
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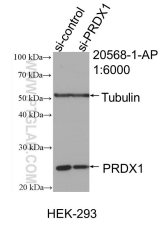
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 20568-1-AP (PRDX1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using PRDX1 antibody 20568-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



WB result of PRDX1 antibody (20568-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX1 transfected HEK-293 cells.