

Nur für Forschungszwecke

# PRDX6 Monoklonaler Antikörper

Katalog-Nr.:67499-1-Ig

Vorgestelltes Produkt



## Allgemeine Informationen

Katalog-Nr.:

67499-1-Ig

Größe:

150ul, Konzentration: 1300 µg/ml von 9588

Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgG2a

Immunogen Katalognummer:

AG4727

GenBank-Zugangsnummer:

BC035857

GeneID (NCBI):

9588

Vollständiger Name:

peroxiredoxin 6

Berechnete Masse:

224 aa, 25 kDa

Beobachtete Masse:

25-30 kDa

Reinigungsmethode:

Protein-A-Reinigung

CloneNo.:

3C12D3

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

Getestete Reaktivität:

Hausschwein, Human

Positivkontrollen:

WB : LNCaP-Zellen, A549-Zellen, Hausschwein-Hirngewebe, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen

IF : HeLa-Zellen, HAP1 cells

## Hintergrundinformationen

PRDX6 (Peroxiredoxin-6), also named as AOP2 or KIAA0106, is a unique member of the peroxiredoxin family of antioxidants. PRDX6 is highly expressed in liver and protects cells from oxidative damage by reducing H<sub>2</sub>O<sub>2</sub> and various lipid Peroxides (PMID: 17382207). It can form a dimer (PMID:20500660). PRDX6 is expressed in all major organs, with a particularly high level in lung (PMID:15890616). Prdx6 is detected at approximately 24 to 28 kDa, and can be monosumoylated with the molecular mass of about 40 kDa (PMID: 24910119).

## 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**

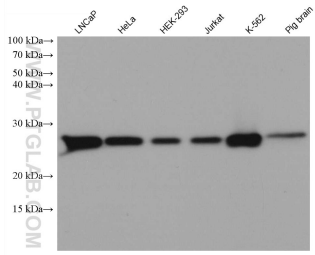
For technical support and original validation data for this product please contact:

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

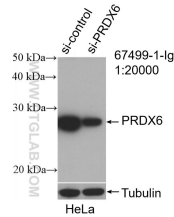
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

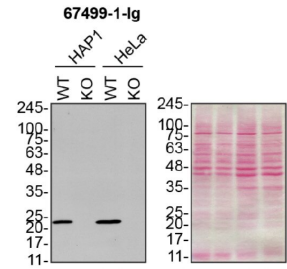
## Ausgewählte Validierungsdaten



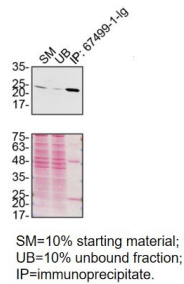
Various lysates were subjected to SDS PAGE followed by western blot with 67499-1-Ig (PRDX6 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



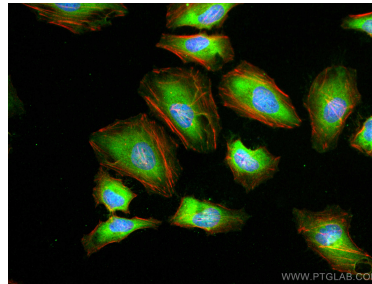
WB result of PRDX6 antibody (67499-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX6 transfected HeLa cells.



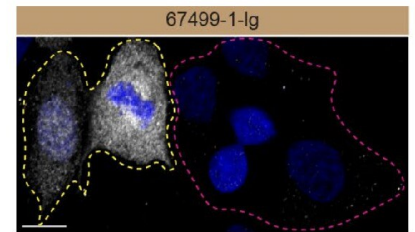
HAP1 and HeLa (WT and PRDX6 KO) lysates prepared with RIPA buffer, 25ug protein loaded. 67499-1-Ig incubated at 1:1000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



HAP1 lysates prepared and IP of peroxidoxin 6 performed using 2.0 µg of 67499-1-Ig coupled to protein G- Sepharose beads. Ponceau stained transfers shown for each blot. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PRDX6 antibody (67499-1-Ig, Clone: 3C12D3 ) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



HAP1 WT cells (yellow outline) and PRDX6 KO cells (red outline) labelled with a green or a far red fluorescence dye, respectively. Cells fixed with 4% PFA and stained with 67499-1-Ig at 1:1000 plus DAPI. Bars = 10 µm. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.