

Nur für Forschungszwecke

# PRDX6 Polyklonaler Antikörper

Katalog-Nr.:13585-1-AP

Vorgestelltes Produkt

21 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
13585-1-AP

Größe:  
150ul, Konzentration: 550 µg/ml von  
Nanodrop und 313 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG4512

GenBank-Zugangsnummer:  
BC035857

GeneID (NCBI):  
9588

Vollständiger Name:  
peroxiredoxin 6

Berechnete Masse:  
224 aa, 25 kDa

Beobachtete Masse:  
25-30 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:12000

IP 0.5-4.0 µg für IP und 1:500-1:1000  
für WB

IHC 1:20-1:200

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, 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.**

Positivkontrollen:

WB : SH-SY5Y-Zellen, A549-Zellen, HeLa-Zellen,  
HepG2-Zellen, K-562-Zellen, Mauslebergewebe,  
Rattenlebergewebe

IP : HeLa-Zellen, HAP1 cells

IHC : humanes Hirngewebe,

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).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jiale Sun	34557413	Front Oncol	IHC
Chenhao Xu	33161253	Bioorg Chem	WB
Siddhesh Aras	25315652	Mitochondrion	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**

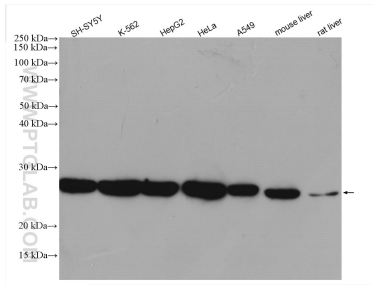
For technical support and original validation data for this product please contact:

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

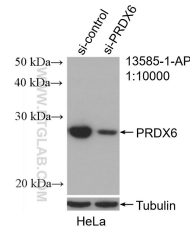
E: proteintech@ptglab.com  
W: ptglab.com

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

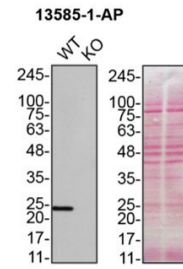
## Ausgewählte Validierungsdaten



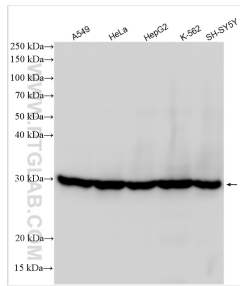
Various lysates were subjected to SDS PAGE followed by western blot with 13585-1-AP (PRDX6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



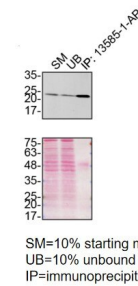
WB result of PRDX6 antibody (13585-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX6 transfected HeLa cells.



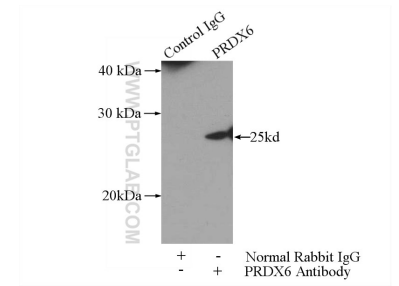
HAP1 (WT and PRDX6 KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 13585-1-AP incubated at 1:2000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



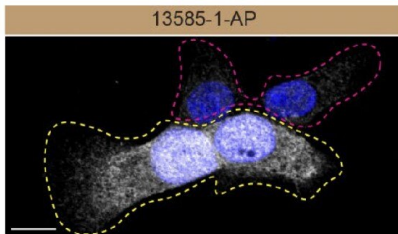
Various lysates were subjected to SDS PAGE followed by western blot with 13585-1-AP (PRDX6 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



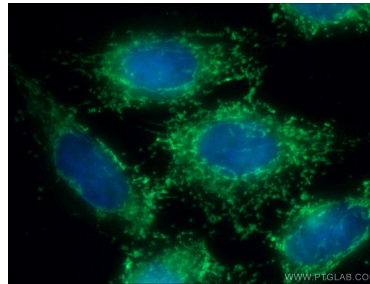
HAP1 lysates prepared and IP of peroxidoxin 6 performed using 2.0 µg of 13585-1-AP coupled to protein A- Sepharose beads. Ponceau stained transfers shown for each blot. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



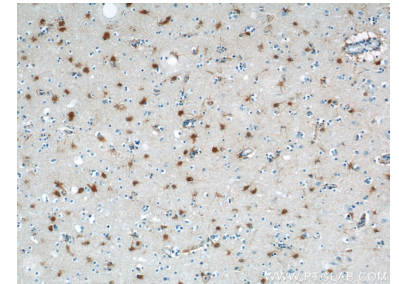
IP Result of anti-PRDX6 (IP:13585-1-AP, 3µg; Detection:13585-1-AP 1:500) with HeLa cells lysate 2800µg.



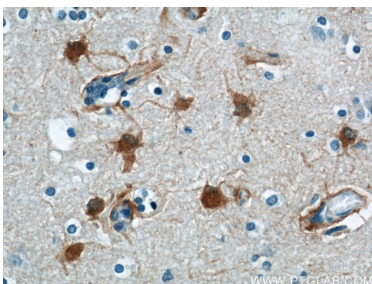
HAP1 WT cells (yellow outline) and PRDX6 KO cells (red outline) labelled with a green or a far red fluorescence dye, respectively. Cells fixed with 4% PFA and stained with 13585-1-AP at 1:300 plus DAPI. Bars = 10 µm. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 13585-1-AP (PRDX6 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human brain using 13585-1-AP (PRDX6 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 13585-1-AP (PRDX6 antibody) at dilution of 1:50 (under 40x lens).