

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PRDX6



Numéro de catalogue: 13585-1-AP

Phare

22 Publications

## Informations de base

Numéro de catalogue:

13585-1-AP

Taille:

150ul, Concentration: 550 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG4512

Numéro d'acquisition GenBank:

BC035857

Identification du gène (NCBI):

9588

Nom complet:

peroxiredoxin 6

MW calculé

224 aa, 25 kDa

MW observés:

25-30 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:12000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:50-1:500

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules SH-SY5Y, cellules A549, cellules HeLa, cellules HepG2, cellules K-562, tissu hépatique de rat, tissu hépatique de souris

IP : cellules HeLa, HAP1 cells

IHC : tissu cérébral humain,

IF : cellules HeLa, HAP1 cells

## Informations générales

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).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Jiale Sun	34557413	Front Oncol	IHC
Chenhao Xu	33161253	Bioorg Chem	WB
Siddhesh Aras	25315652	Mitochondrion	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

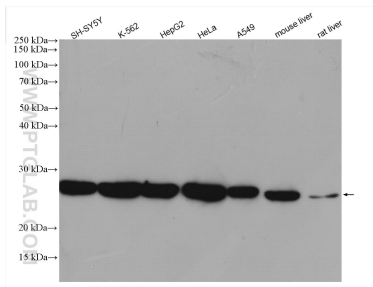
For technical support and original validation data for this product please contact:

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

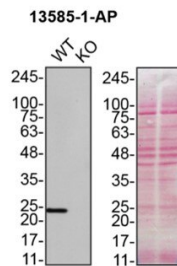
E: proteintech@ptglab.com  
W: ptglab.com

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

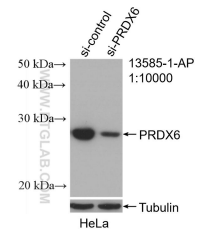
## Données de validation sélectionnées



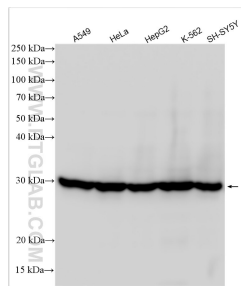
Various lysates were subjected to SDS PAGE followed by western blot with 13585-1-AP (PRDX6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



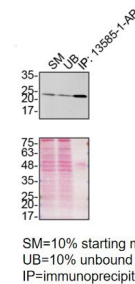
HAP1 (WT and PRDX6 KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 13585-1-AP incubated at 1:2000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific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



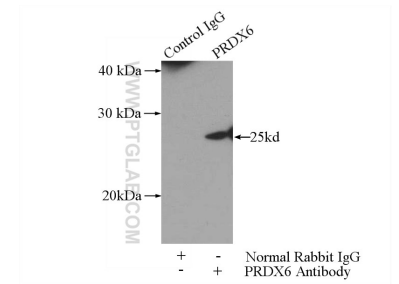
WB result of PRDX6 antibody (13585-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX6 transfected HeLa cells.



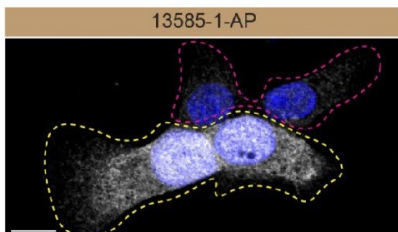
Various lysates were subjected to SDS PAGE followed by western blot with 13585-1-AP (PRDX6 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



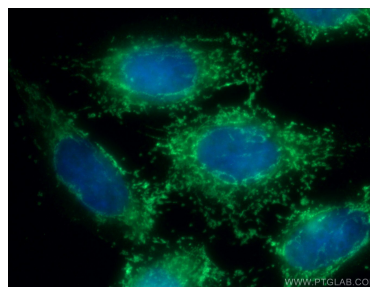
HAP1 lysates prepared and IP of peroxidoxin 6 performed using 2.0 µg of 13585-1-AP coupled to protein A- Sepharose beads. Ponceau stained transfers shown for each blot. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility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



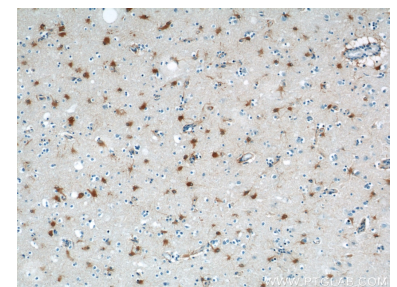
IP Result of anti-PRDX6 (IP:13585-1-AP, 3µg; Detection:13585-1-AP 1:500) with HeLa cells lysate 2800µg.



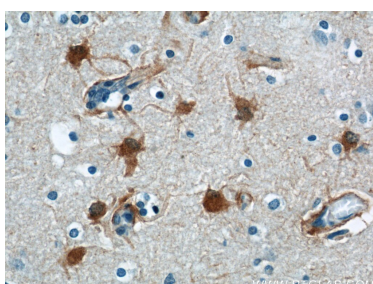
HAP1 WT cells (yellow outline) and PRDX6 KO cells (red outline) labelled with a green or a far red fluorescence dye, respectively. Cells fixed with 4% PFA and stained with 13585-1-AP at 1:300 plus DAPI. Bars = 10 µm. Data provided by YCharOS, an open science company with a mission to validate commercial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