

## PRDX6 Polyclonal Antibody

Catalog number: 13585-1-AP

Size: 22 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

PRDX6; 1 Cys, 1 Cys

peroxiredoxin, 1 Cys PRX, 24

kDa protein, aiPLA2,

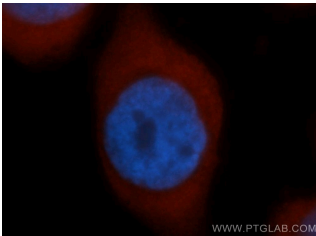
Antioxidant protein 2, AOP2,

KIAA0106, Liver 2D page spot

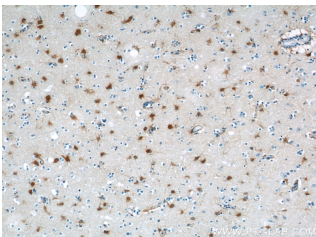
40, NSGPx, p29, peroxiredoxin

6, PRDX6, PRX, Red blood cells

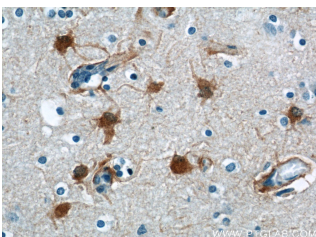
page spot 12



Immunofluorescent analysis of HeLa cells, using PRDX6 antibody 13585-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



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



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

### Background

Prdx6 (Peroxiredoxin-6), a unique member of the peroxiredoxin family of antioxidants, 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 is also named as AOP2, KIAA0106. It can form a dimer (PMID: 20500660). PRDX6 is expressed in all major organs, with a particularly high level in lung (PMID: 15890616).

### Applications

Tested applications:	ELISA, WB, IF, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated PRDX6 MW:	224aa, 25 kDa
Observed PRDX6 MW:	25-30kd
Positive WB detected in	A549 cells, HeLa cells, SH-SY5Y cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human brain tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:20-1:200

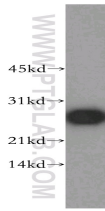
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

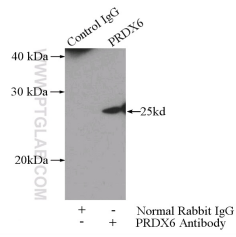
Immunogen:	Ag4512
GenBank accession number:	BC035857
Gene ID (NCBI):	9588
Full name:	Peroxiredoxin 6

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



A549 cells were subjected to SDS PAGE followed by western blot with 13585-1-AP (PRDX6 antibody) at dilution of 1:500



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