PRDX6
Polyclonal ANTIBODY

Catalog Number: 13585-1-AP

Basic Information
Catalog Number: 13585-1-AP
Size: 22 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG4512

Recommended Dilutions:
WB: 1:500-1:3000
IP: 0.5-4.0 μg for IP and 1:1000-1:1000 for WB
IHC: 1:200-1:200
IF: 1:50-1:100

GenBank Accession Number: BC035857
GeneID (NCBI): 9588
Full Name: peroxiredoxin 6
Calculated MW: 224aa, 25 kDa
Observed MW: 25-30 kDa

Applications
Tested Applications: IF, IHC, IP, WB, ELISA
Cited Applications: IF, WB
Species Specificity: human, mouse, rat
Cited Species: human, rat

Notable Publications
Author: Siddhesh Aras
Pubmed ID: 25315652
Journal: Mitochondrion
Application: WB

Author: Shuaipeng Ma
Pubmed ID: 26560306
Journal: Antioxid Redox Signal
Application: WB

Author: Bo Wei
Pubmed ID: 29782637
Journal: Br J Pharmacol
Application: WB

Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

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 (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Background Information
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 H2O2 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).

Species Specificity:
human, mouse, rat

Positive Controls:
WB: A549 cells, HeLa cells, SH-SY5Y cells
IP: HeLa cells;
IHC: human brain tissue;
IF: HeLa cells;

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A549 cells were subjected to SDS PAGE followed by western blot with 13585-1-AP (PRDX6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

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).

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