

For Research Use Only

PRDX6 Monoclonal antibody

Catalog Number: 67499-1-Ig **Featured Product**



Basic Information

Catalog Number:

67499-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by 9588

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4727

GenBank Accession Number:

BC035857

GeneID (NCBI):

9588

Full Name:

peroxiredoxin 6

Calculated MW:

224 aa, 25 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein A purification

CloneNo.:

3C12D3

Recommended Dilutions:

WB 1:5000-1:50000

IF 1:50-1:500

Applications

Tested Applications:

IF, WB, ELISA

Species Specificity:

Human, Pig

Positive Controls:

WB : A549 cells, HeLa cells, HepG2 cells, K-562 cells, pig brain tissue

IF : HeLa cells,

Background Information

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 H₂O₂ 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).

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

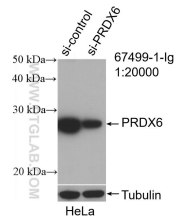
For technical support and original validation data for this product please contact:

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

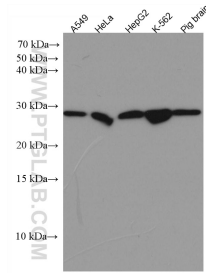
E: proteintech@ptglab.com
W: ptglab.com

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

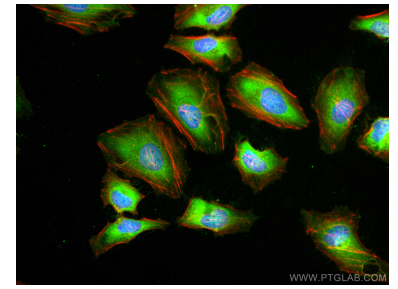
Selected Validation Data



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.



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.



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).