

For Research Use Only

# peroxiredoxin 2 Monoclonal antibody, PBS Only

Catalog Number: 60202-1-PBS

Featured Product



## Basic Information

Catalog Number:

60202-1-PBS

Size:

100ug , Concentration: 1mg/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0835

GenBank Accession Number:

BC003022

GeneID (NCBI):

7001

UNIPROT ID:

P32119

Full Name:

peroxiredoxin 2

Calculated MW:

22 kDa

Observed MW:

22 kDa

Purification Method:

Protein G purification

CloneNo.:

3H6C4

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

PRDX2, also named as TSA, PRP, NKEFB and TDPX1, belongs to the ahpC/TSA family. It is known to act as an antioxidant enzyme whose main function is H<sub>2</sub>O<sub>2</sub> reduction in cells. PRDX2 is involved in redox regulation of the cell. It reduces peroxides with reducing equivalents provided through the thioredoxin system. It may play an important role in eliminating peroxides generated during metabolism. PRDX2 might participate in the signaling cascades of growth factors and tumor necrosis factor- $\alpha$  by regulating the intracellular concentrations of H<sub>2</sub>O<sub>2</sub>. PRDX2 actions may be related to the expression of NF $\kappa$ B and I $\kappa$ B.(PMID:21248284)

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

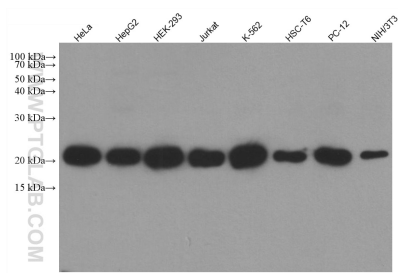
For technical support and original validation data for this product please contact:

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

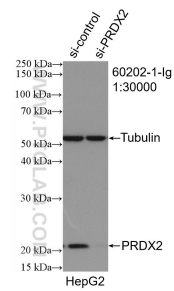
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

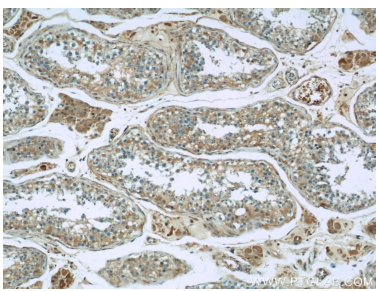
## Selected Validation Data



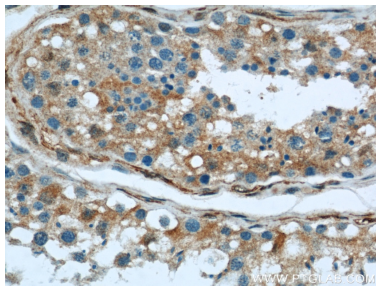
Various lysates were subjected to SDS PAGE followed by western blot with 60202-1-Ig (peroxiredoxin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60202-1-PBS in a different storage buffer formulation.



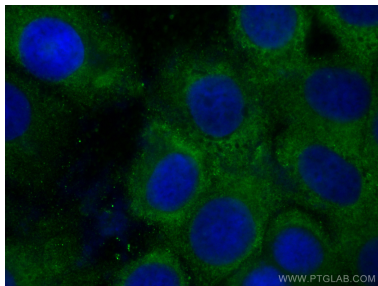
WB result of peroxiredoxin 2 antibody (60202-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-peroxiredoxin 2 transfected HepG2 cells. This data was developed using the same antibody clone with 60202-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human testis using 60202-1-Ig(peroxiredoxin 2 antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 60202-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human testis using 60202-1-Ig(peroxiredoxin 2 antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 60202-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using peroxiredoxin 2 antibody (60202-1-Ig, Clone: 3H6C4) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 60202-1-PBS in a different storage buffer formulation.