

For Research Use Only

# peroxiredoxin 2 Polyclonal antibody, PBS Only

Catalog Number: 20569-1-PBS

Featured Product



## Basic Information

Catalog Number:

20569-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_005809

GeneID (NCBI):

7001

UNIPROT ID:

P32119

Full Name:

peroxiredoxin 2

Calculated MW:

22 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

## Background Information

PRDX2, also named as NKEFB, TDPX1, TSA and PRP, belongs to the ahpC/TSA family. It is involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. PRDX2 may play an important role in eliminating peroxides generated during metabolism. It 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>. The antibody is specific to PRDX2.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

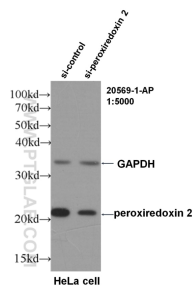
For technical support and original validation data for this product please contact:

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)

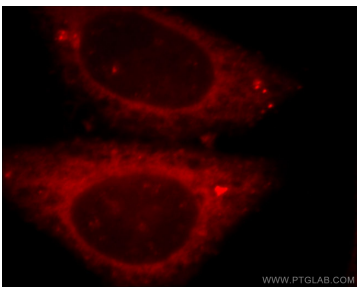
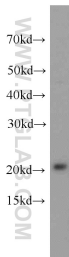
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



WB result of peroxiredoxin 2 antibody (20569-1-AP, 1:5000) with si-Control and si-peroxiredoxin 2 transfected HeLa cells. This data was developed using the same antibody clone with 20569-1-PBS in a different storage buffer formulation.

HeLa cells were subjected to SDS PAGE followed by western blot with 20569-1-AP (peroxiredoxin 2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20569-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HepG2 cells, using PRDX2 antibody 20569-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). This data was developed using the same antibody clone with 20569-1-PBS in a different storage buffer formulation.