

For Research Use Only

# peroxiredoxin 2 Polyclonal antibody

Catalog Number: 20569-1-AP

Featured Product



## Basic Information

### Catalog Number:

20569-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

### 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

### Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa cells,

IF/ICC : HepG2 cells,

## 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 -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

\*\*\* 20ul sizes contain 0.1% BSA

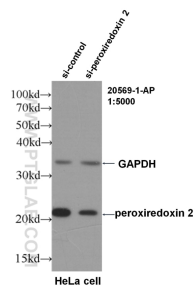
For technical support and original validation data for this product please contact:

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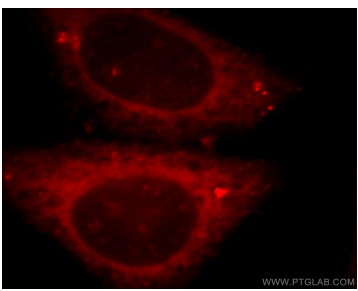
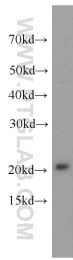
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Selected Validation Data



WB result of peroxiredoxin 2 antibody (20569-1-AP, 1:5000) with si-Control and si-peroxiredoxin 2 transfected HeLa cells.

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.



Immunofluorescent analysis of HepG2 cells, using PRDX2 antibody 20569-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).