

For Research Use Only

# Peroxiredoxin 2 Polyclonal antibody

Catalog Number: 20569-1-AP

Featured Product



## Basic Information

Catalog Number:

20569-1-AP

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

IHC: 1:150-1:600

IF/ICC: 1:10-1:100

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HeLa cells,

IHC : human stomach tissue,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

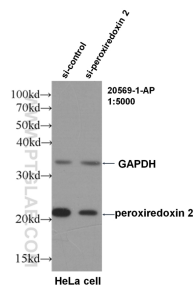
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

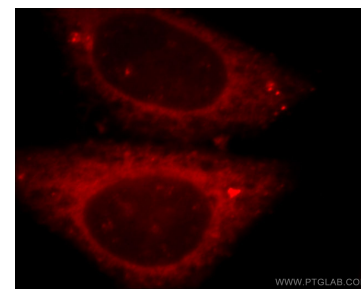
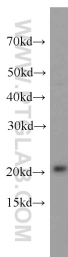
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data

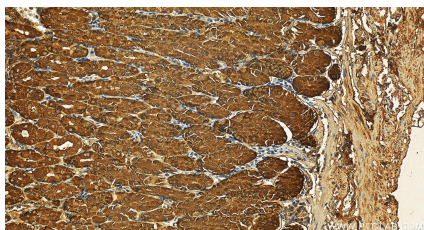


WB result of Peroxiredoxin 2 antibody (20569-1-AP, 1:5000) with si-Control and si-peroxiredoxin 2 transfected HeLa cells.

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 Peroxiredoxin 2 antibody 20569-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 20569-1-AP (peroxiredoxin 2 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).