

For Research Use Only

# PRDX3 Recombinant antibody, PBS Only

Catalog Number: 81833-1-PBS

Featured Product



## Basic Information

Catalog Number:

81833-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1062

GenBank Accession Number:

BC007062

GeneID (NCBI):

10935

UNIPROT ID:

P30048

Full Name:

peroxiredoxin 3

Calculated MW:

27 kDa

Observed MW:

28 kDa

Purification Method:

Protein A purification

CloneNo.:

1L11

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

PRDX3(Peroxiredoxin 3), also named as AOP1, HBC189 and MER5, belongs to the ahpC/TSA family. It is involved in redox regulation of the cell and protects radical-sensitive enzymes from oxidative damage by a radical-generating system. PRDX3 is required for MYC-mediated proliferation, transformation, and apoptosis after glucose withdrawal and essential for maintaining mitochondrial mass and membrane potential in transformed rat and human cells (PMID:12011429). PRDX3 acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

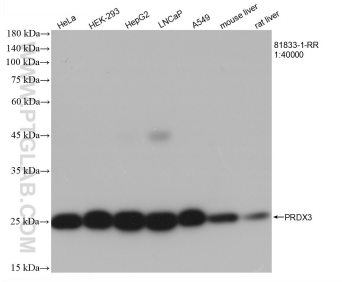
For technical support and original validation data for this product please contact:

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

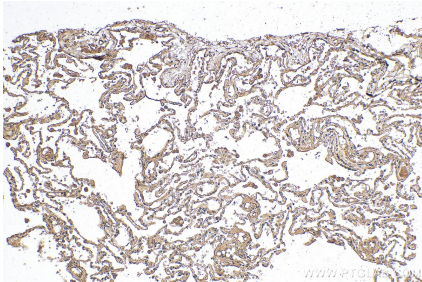
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

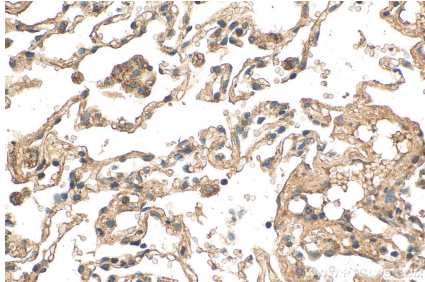
Selected Validation Data



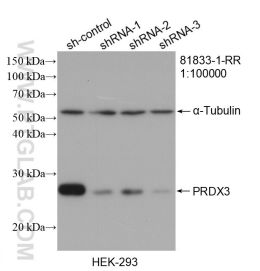
Various lysates were subjected to SDS PAGE followed by western blot with 81833-1-RR (PRX3 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81833-1-PBS in a different storage buffer formulation.



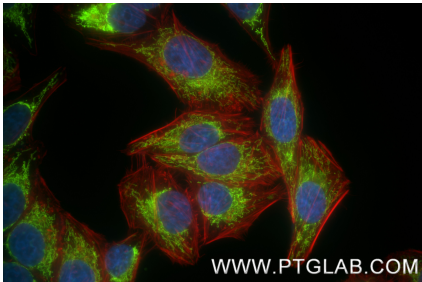
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 81833-1-RR (PRDX3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81833-1-PBS in a different storage buffer formulation.



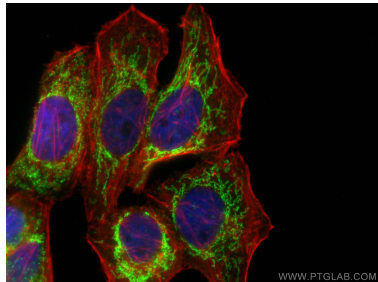
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 81833-1-RR (PRDX3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81833-1-PBS in a different storage buffer formulation.



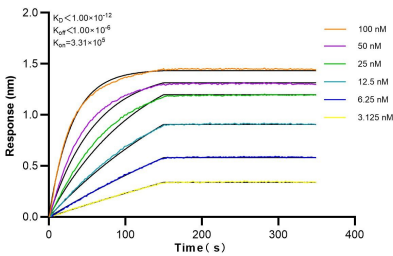
WB result of PRDX3 antibody (81833-1-RR; 1:100000); incubated at room temperature for 1.5 hours) with sh-Control and sh-PRDX3 transfected HEK-293 cells. This data was developed using the same antibody clone with 81833-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PRDX3 antibody (81833-1-RR, Clone: 1L11 ) at dilution of 1:400 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 81833-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PRX3 antibody (81833-1-RR, Clone: 1L11 ) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 81833-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81833-1-RR against Human PRDX3 were performed. The affinity constant is below 1 pM.