

For Research Use Only

PRDX4 Monoclonal antibody, PBS Only (Detector)



Catalog Number: 60286-1-PBS

Featured Product

Basic Information

Catalog Number:

60286-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG13401

GenBank Accession Number:

BC007107

GeneID (NCBI):

10549

UNIPROT ID:

Q13162

Full Name:

peroxiredoxin 4

Calculated MW:

31 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

5B6F1

Applications

Tested Applications:

WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

PRDX4 (Peroxiredoxin-4) is also named as AOE37-2, Prx-IV and belongs to the AhpC/TSA family. PRDX4 is associated with acrosome formation during rat spermatogenesis and has a protective role in the male reproductive tract, because the phenotype of mice lacking this isoform includes testicular atrophy and increased sperm DNA damage (PMID:20864641). It is initially synthesized as a membrane-binding 31-kDa protein and processed into a 27-kDa secretory form and is discarded with the residual bodies (PMID:19208552). PRDX4 is a pentamer of dimers (PMID:23025503).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

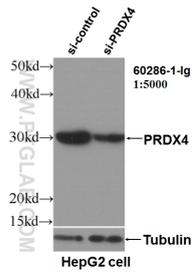
T: 4006900926

E: Proteintech-CN@ptglab.com

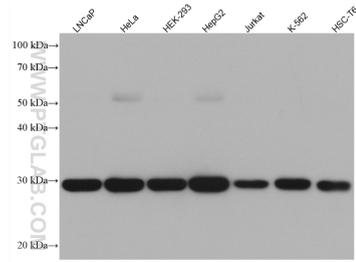
W: ptgcn.com

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

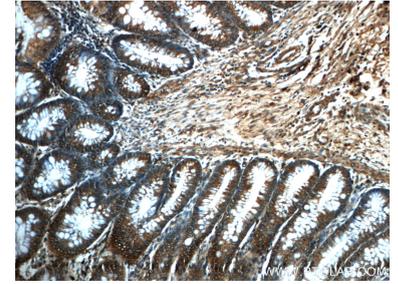
Selected Validation Data



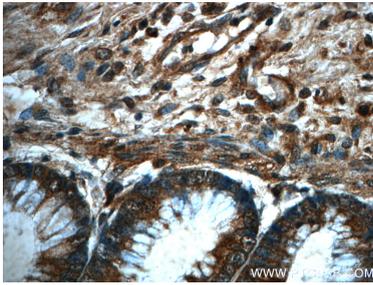
WB result of PRDX4 antibody (60286-1-Ig, 1:5000) with si-Control and si-PRDX4 transfected HepG2 cells. This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



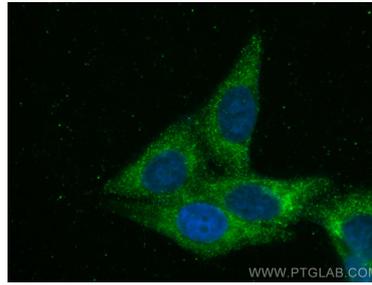
Various lysates were subjected to SDS PAGE followed by western blot with 60286-1-Ig (PRDX4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



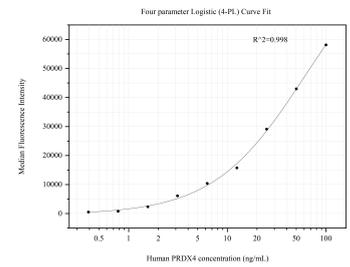
Immunohistochemical analysis of paraffin-embedded human colon slide using 60286-1-Ig (PRDX4 Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon slide using 60286-1-Ig (PRDX4 Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PRDX4 antibody (60286-1-Ig, Clone: 5B6F1) at dilution of 1:800 and Coralite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50708-1, PRDX4 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60286-2-PBS. Detection antibody: 60286-1-PBS. Standard: Ag13401. Range: 0.391-100 ng/mL