

For Research Use Only

PRDX4 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 60286-1-PBS

Featured Product



Basic Information

Catalog Number: 60286-1-PBS	GenBank Accession Number: BC007107	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10549	CloneNo.: 5B6F1
Source: Mouse	UNIPROT ID: Q13162	
Isotype: IgG2b	Full Name: peroxiredoxin 4	
Immunogen Catalog Number: AG13401	Calculated MW: 31 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

60286-1-PBS targets PRDX4 as part of a matched antibody pair:

MP50708-1: 60286-2-PBS capture and 60286-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

PRDX4 (Peroxiredoxin-4) is also named as AOE37-2, Pxx-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

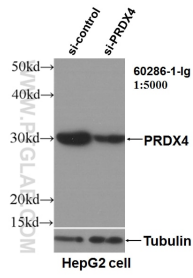
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

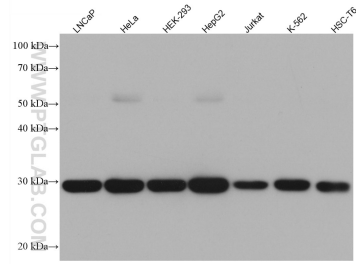
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

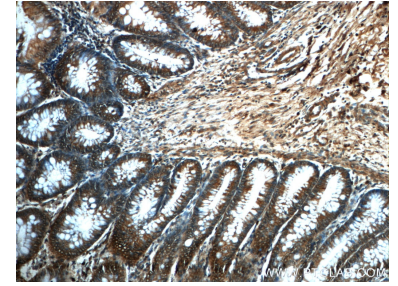
Selected Validation Data



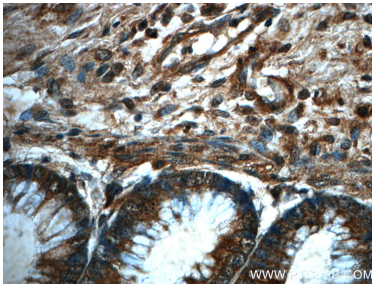
WB result of PRDX4 antibody (60286-1-Ig, 1:5000) with si-Control and si-PRDX4 transfected HepG2 cells. This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



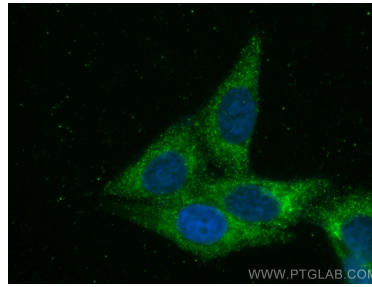
Various lysates were subjected to SDS PAGE followed by western blot with 60286-1-Ig (PRDX4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



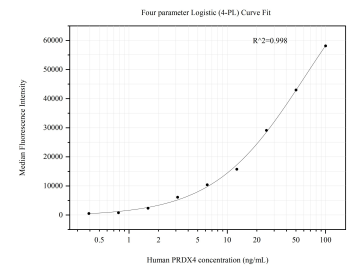
Immunohistochemical analysis of paraffin-embedded human colon slide using 60286-1-Ig (PRDX4 Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 60286-1-PBS in a different storage buffer formulation.



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.