

For Research Use Only

# CoraLite® Plus 488-conjugated PRDX4 Monoclonal antibody

Catalog Number: CL488-60286

Featured Product



## Basic Information

Catalog Number:

CL488-60286

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

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

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

## 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

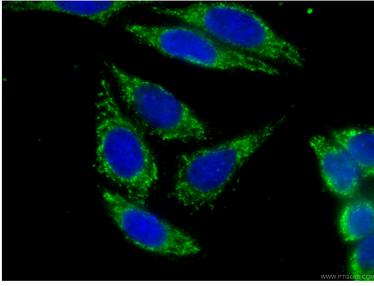
For technical support and original validation data for this product please contact:

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)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL488-60286 (PRDX4 antibody) at dilution of 1:100.