

For Research Use Only

CoraLite®488-conjugated PRDX4 Monoclonal antibody



Catalog Number: CL488-60286

Featured Product

Basic Information

Catalog Number: CL488-60286	GenBank Accession Number: BC007107	Purification Method: Protein A purification
Size: 100UL, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10549	CloneNo.: 5B6F1
Source: Mouse	Full Name: peroxiredoxin 4	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 31 kDa	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Immunogen Catalog Number: AG13401	Observed MW: 31 kDa	

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : HepG2 cells,
Species Specificity: human	

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).

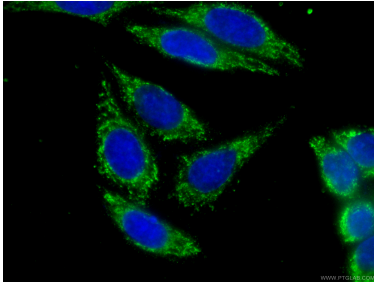
Storage

Storage:
Store at -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
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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