

For Research Use Only

CoraLite® Plus 488-conjugated GPX4 Monoclonal antibody



Catalog Number: **CL488-67763** **1 Publications**

Basic Information

Catalog Number: CL488-67763	GenBank Accession Number: BC021567	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2879	CloneNo.: 3F5G5
Source: Mouse	UNIPROT ID: P36969	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: glutathione peroxidase 4 (phospholipid hydroperoxidase)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG30650	Observed MW: 20-23 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HEK-293T cells,
Cited Applications: IF	
Species Specificity: Human, mouse, rat, rabbit, pig	
Cited Species: mouse	

Background Information

GPX4 (Phospholipid hydroperoxide glutathione peroxidase, mitochondrial) protects cells against membrane lipid peroxidation and cell death. Required for normal sperm development and male fertility. It has two isoforms about 20KDa and 22KDa, respectively. GPX4 is a monomer, but it has a tendency to form higher mass oligomers (PMID:17630701). It presents primarily in testis.

Notable Publications

Author	Pubmed ID	Journal	Application
Lufeng Wang	35489613	J Chem Neuroanat	IF

Storage

Storage:
Store at -20°C. Avoid exposure to light.
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:

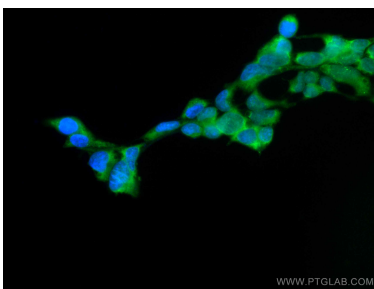
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293T cells using Coralite® Plus 488 GPX4 antibody (CL488-67763, Clone: 3F5G5) at dilution of 1:100.