

For Research Use Only

CoraLite® Plus 488-conjugated GPX4 Recombinant antibody

Catalog Number:CL488-82949



Basic Information

Catalog Number: CL488-82949	GenBank Accession Number: BC022071	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2879	CloneNo.: 230168A8
Source: Rabbit	UNIPROT ID: P36969	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: glutathione peroxidase 4 (phospholipid hydroperoxidase)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG5809	Calculated MW: 22 kDa	

Applications

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

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.

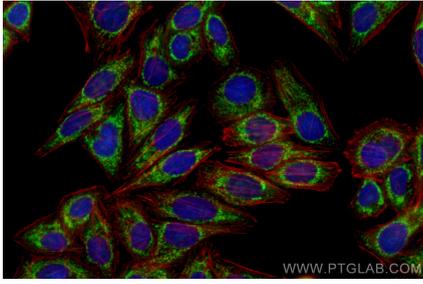
Storage

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 CoraLite® Plus 488 GPX4 antibody (CL488-82949, Clone: 230168A8) at dilution of 1:200.