

For Research Use Only

# CoraLite® Plus 488-conjugated GPX4 Monoclonal antibody

Catalog Number: CL488-67763

Featured Product

1 Publications



## Basic Information

Catalog Number:

CL488-67763

Size:

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

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG30650

GenBank Accession Number:

BC021567

GeneID (NCBI):

2879

UNIPROT ID:

P36969

Full Name:

glutathione peroxidase 4 (phospholipid hydroperoxidase)

Observed MW:

20-23 kDa

Purification Method:

Protein A purification

CloneNo.:

3F5G5

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Cited Applications:

IF

Species Specificity:

Human, mouse, rat, rabbit, pig

Cited Species:

mouse

Positive Controls:

IF/ICC : HEK-293 cells,

## 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. 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

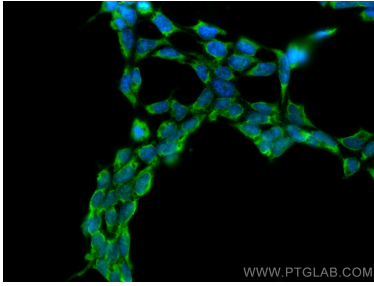
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HEK-293 cells using CoraLite® Plus 488 GPX4 antibody (CL488-67763, Clone: 3F5G5 ) at dilution of 1:200.