

For Research Use Only

CoraLite® Plus 488-conjugated peroxiredoxin 2 Polyclonal antibody



Catalog Number: CL488-10545

Featured Product

Basic Information

Catalog Number:

CL488-10545

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0835

GenBank Accession Number:

BC003022

GeneID (NCBI):

7001

UNIPROT ID:

P32119

Full Name:

peroxiredoxin 2

Calculated MW:

22 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

PRDX2, also named as TSA, PRP, NKEFB and TDPX1, belongs to the ahpC/TSA family. It is known to act as an antioxidant enzyme whose main function is H₂O₂ reduction in cells. PRDX2 is involved in redox regulation of the cell. It reduces peroxides with reducing equivalents provided through the thioredoxin system. It may play an important role in eliminating peroxides generated during metabolism. PRDX2 might participate in the signaling cascades of growth factors and tumor necrosis factor- α by regulating the intracellular concentrations of H₂O₂. PRDX2 actions may be related to the expression of NFKB and IKK.(PMID:21248284)

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:

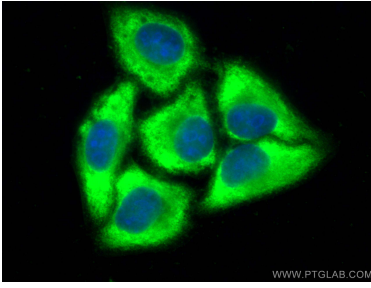
T: 4006900926

E: Proteintech-CN@ptglab.com

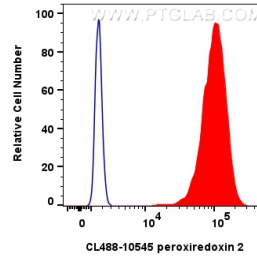
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 peroxiredoxin 2 antibody (CL488-10545) at dilution of 1:200.



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488-conjugated peroxiredoxin 2 Polyclonal antibody (CL488-10545)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).