

For Research Use Only

CoraLite®594-conjugated PRDX6 Monoclonal antibody



Catalog Number: CL594-67499

Featured Product

Basic Information

Catalog Number:

CL594-67499

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4727

GenBank Accession Number:

BC035857

GeneID (NCBI):

9588

UNIPROT ID:

P30041

Full Name:

peroxiredoxin 6

Calculated MW:

224 aa, 25 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein A purification

CloneNo.:

3C12D3

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Pig

Background Information

PRDX6 (Peroxiredoxin-6), also named as AOP2 or KIAA0106, is a unique member of the peroxiredoxin family of antioxidants. PRDX6 is highly expressed in liver and protects cells from oxidative damage by reducing H₂O₂ and various lipid Peroxides (PMID: 17382207). It can form a dimer (PMID:20500660). PRDX6 is expressed in all major organs, with a particularly high level in lung (PMID:15890616). Prdx6 is detected at approximately 24 to 28 kDa, and can be monosumoylated with the molecular mass of about 40 kDa (PMID: 24910119).

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:

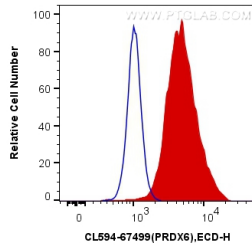
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human PRDX6 (CL594-67499, Clone:3C12D3) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).