

For Research Use Only



CoraLite® Plus 647-conjugated Thioredoxin Polyclonal antibody

Catalog Number: CL647-14999

Featured Product

Basic Information

Catalog Number:

CL647-14999

GenBank Accession Number:

BC003377

Purification Method:

Antigen affinity purification

Size:

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

GeneID (NCBI):

7295

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Source:

Rabbit

UNIPROT ID:

P10599

Full Name:

thioredoxin

Isotype:

IgG

Calculated MW:

12 kDa

Immunogen Catalog Number:

AG6989

Observed MW:

12 kDa

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Background Information

TXN, TRDX, TRX, TRX1, ADF and SASP, belongs to the thioredoxin family. It participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. TXN plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. TXN induces the FOS/JUN AP-1 DNA-binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity.

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

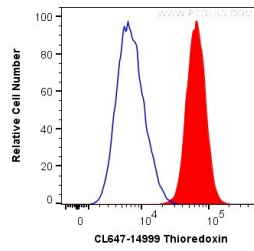
For technical support and original validation data for this product please contact:

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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 0.2 ug CoraLite® Plus 647 Anti-Human Thioresdoxin (CL647-14999) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).