

CoraLite®594-conjugated TXN Monoclonal antibody

Catalog Number: **CL594-66475**

Basic Information

Catalog Number: CL594-66475	GenBank Accession Number: BC003377	Purification Method: Protein A purification
Size: 7295	GeneID (NCBI): 7295	CloneNo.: 1F3C1
Source: Mouse	UNIPROT ID: P10599	Recommended Dilutions: IF/ICC 1:500-1:2000
Isotype: IgG2a	Full Name: thioredoxin	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG6355	Calculated MW: 12 kDa	
	Observed MW: 12 kDa	

Applications

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

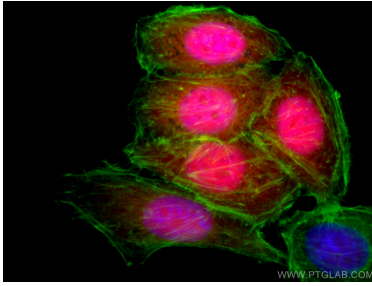
Background Information

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594-conjugated TXN antibody (CL594-66475, Clone: 1F3C1) at dilution of 1:1000, C488-Phalloidin (green).