

À des fins de recherche uniquement

Anticorps Monoclonal anti-Thioredoxin



Numéro de catalogue: 66475-1-Ig Phare

Informations de base

Numéro de catalogue: 66475-1-Ig	Numéro d'acquisition GenBank: BC003377	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 7295	CloneNo.: 1F3C1
Hôte: Mouse	Nom complet: thioredoxin	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:400-1:1600
Isotype: IgG2a	MW calculé: 12 kDa	
Immunogen Catalog Number: AG6355	MW observés: 12 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Spécificité de l'espèce:

Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules A549, cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules K-562, cellules MCF-7

IHC : tissu de tumeur ovarienne humain, tissu de cancer du foie humain

IF : cellules HepG2,

Informations générales

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.

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

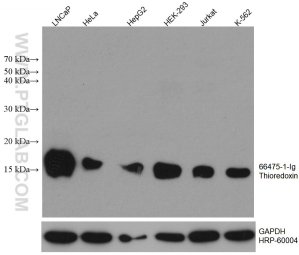
For technical support and original validation data for this product please contact:

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

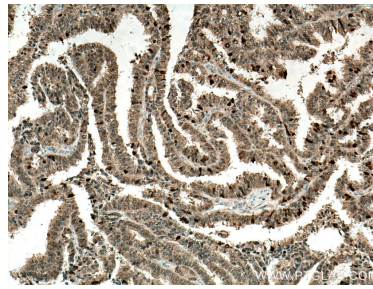
E: proteintech@ptglab.com
W: ptglab.com

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

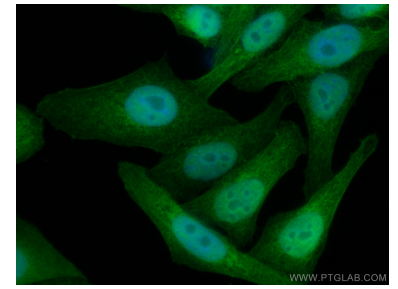
Données de validation sélectionnées



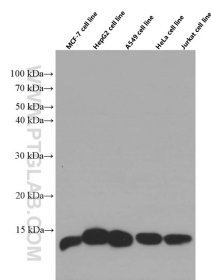
Various lysates were subjected to SDS PAGE followed by western blot with 66475-1-Ig (TXN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



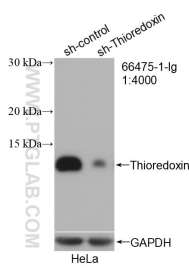
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66475-1-Ig (Thioredoxin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Thioredoxin antibody (66475-1-Ig, Clone: 1F3C1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66475-1-Ig (Thioredoxin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of Thioredoxin antibody (66475-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Thioredoxin transfected HeLa cells.