

À des fins de recherche uniquement

# Anticorps Monoclonal anti-TXNRD1

Numéro de catalogue: 67728-1-Ig

Phare

8 Publications



## Informations de base

Numéro de catalogue: 67728-1-Ig	Numéro d'acquisition GenBank: BC018122	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 500 µg/ml by Nanodrop and 294 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 7296	CloneNo.: 1B10C4
Hôte: Mouse	Nom complet: thioredoxin reductase 1	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG1	MW calculé: 55 kDa	
Immunogen Catalog Number: AG30071	MW observés: 50-70 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

IF, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : cellules HSC-T6, cellules 4T1, cellules A549, cellules HEK-293, cellules HeLa, cellules Jurkat, cellules K-562, cellules NIH/3T3, cellules PC-12

IHC : tissu de cancer du foie humain,

IF : cellules HeLa,

## Informations générales

Thioredoxin reductase-1 (TXNRD1) is uniquely capable of utilizing electrons from NADPH to recover the reduced state of TRX1. Interestingly, TXNRD1 is upregulated in many human malignancies and promotes cancer progression, and attenuation of TXNRD1 levels effectively suppresses the growth of tumor cells (PMID: 31384178). TXNRD1 is also upregulated in many human malignancies and functions as a prognostic factor for many tumors, such as oral squamous cell carcinomas, lung cancer, breast cancer, and astrocytomas. TXNRD1 protein levels were analyzed by immunoblotting. Bands of ~55 kDa for TXNRD1 were observed. IHC analysis suggested TXNRD1 was mainly located in the cytoplasm. (PMID: 28536696, PMID: 20584310)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Wei Li	36276126	Front Oncol	WB
Zhongren Xu	35671636	Redox Biol	WB,IF
Weiwei Yi	33789111	Cell Rep	WB

## 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.

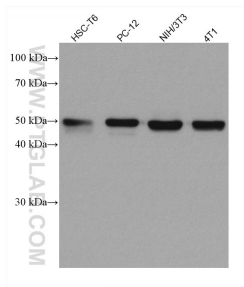
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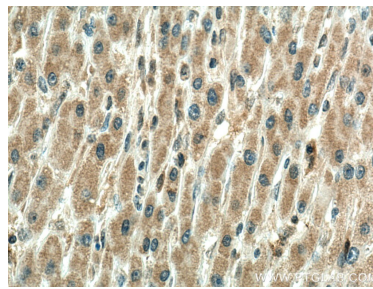
E: proteintech@ptglab.com  
W: ptglab.com

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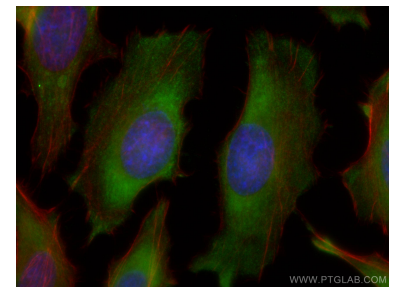
## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 67728-1-Ig (TXNRD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67728-1-Ig (TXNRD1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TXNRD1 antibody (67728-1-Ig, Clone: 1B10C4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).