

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-TXNRD1



Numéro de catalogue: 11117-1-AP

Phare

47 Publications

## Informations de base

Numéro de catalogue:  
11117-1-AP

Taille:  
150ul, Concentration: 500 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG1618

Numéro d'acquisition GenBank:  
BC018122

Identification du gène (NCBI):  
7296

Nom complet:  
thioredoxin reductase 1

MW calculé  
55 kDa

MW observés:  
55 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:3000-1:10000  
IHC 1:300-1:1200  
IF 1:50-1:500

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
IF, IHC, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat, 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 HeLa, cellules Jurkat, cellules MCF-7, tissu cardiaque de rat, tissu cardiaque de souris

IHC : tissu testiculaire humain, tissu de cancer du sein humain, tissu testiculaire de souris

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 |
|----------------|-----------|------------------|-------------|
| Dan Liu        | 30267739  | Neurotoxicology  | WB          |
| Xiaoqing Zheng | 28965082  | Redox Biol       | WB          |
| Wenxuan Jiao   | 34540892  | Front Mol Biosci | 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.

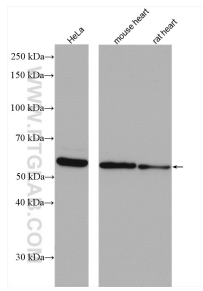
For technical support and original validation data for this product please contact:

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

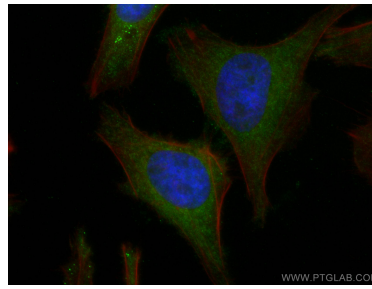
E: proteintech@ptglab.com  
W: ptglab.com

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

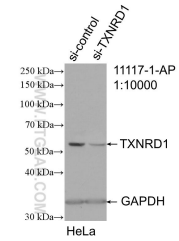
## Données de validation sélectionnées



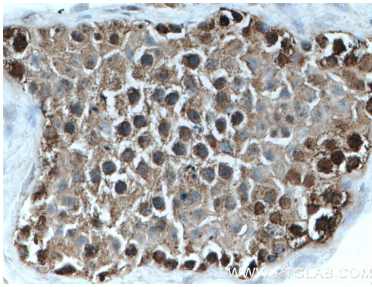
Various lysates were subjected to SDS PAGE followed by western blot with 11117-1-AP (TXNRD1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



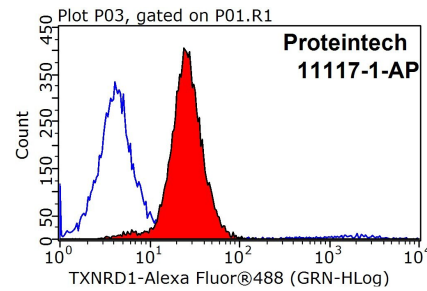
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TXNRD1 antibody (11117-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



WB result of TXNRD1 antibody (11117-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TXNRD1 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 11117-1-AP (TXNRD1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> MCF-7 cells were stained with 0.2ug TXNRD1 antibody (11117-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.