

Nur für Forschungszwecke

TXNRD1 Polyklonaler Antikörper

Katalog-Nr.: 11117-1-AP

Vorgestelltes Produkt

44 Publikationen



Allgemeine Informationen

| | | |
|--|---|---|
| Katalog-Nr.: 11117-1-AP | GenBank-Zugangsnummer: BC018122 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop und 247 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): 7296 | Empfohlene Verdünnungen: WB 1:3000-1:10000 IHC 1:300-1:1200 IF 1:50-1:500 |
| Wirt: Kaninchen | Vollständiger Name: thioredoxin reductase 1 | |
| Isotyp: IgG | Berechnete Masse: 55 kDa | |
| Immunogen Katalognummer: AG1618 | Beobachtete Masse: 55 kDa | |

Anwendungen

| | |
|---|--|
| Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA | Positivkontrollen: WB : HeLa-Zellen, Jurkat-Zellen, Mausherzgewebe, MCF-7-Zellen, Rattenherzgewebe IHC : humanes Hodengewebe, humanes Mammakarzinomgewebe, Maushodengewebe IF : HeLa-Zellen, |
| In Publikationen genannte Anwendungen: IF, IHC, WB | |
| Getestete Reaktivität: Human, Maus, Ratte | |
| Zitierte Arten: Human, Maus, Ratte | |
| Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen. | |

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|----------------|-----------|------------------|-----------|
| Dan Liu | 30267739 | Neurotoxicology | WB |
| Xiaoqing Zheng | 28965082 | Redox Biol | WB |
| Wenxuan Jiao | 34540892 | Front Mol Biosci | WB |

Lagerung

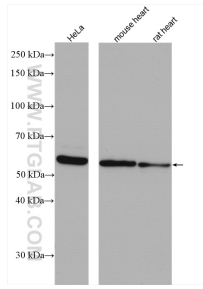
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

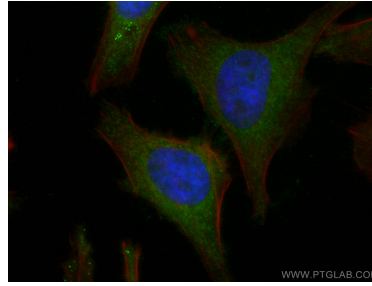
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

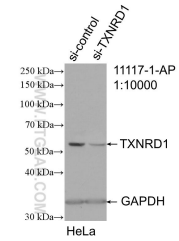
Ausgewählte Validierungsdaten



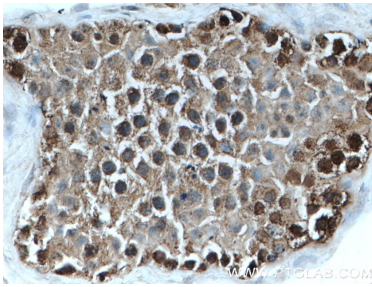
Various lysates were subjected to SDS PAGE followed by western blot with 11117-1-AP (TXNRD1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



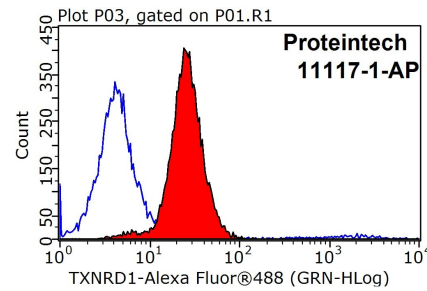
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TXNRD1 antibody (11117-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



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).



1x10⁶ 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.