

Nur für Forschungszwecke

# Thioredoxin Polyklonaler Antikörper



Katalog-Nr.:14999-1-AP

Vorgestelltes Produkt

64 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 14999-1-AP	<b>GenBank-Zugangsnummer:</b> BC003377	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 700 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 7295	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:9000 IHC 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> thioredoxin	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 12 kDa	
<b>Immunogen Katalognummer:</b> AG6989	<b>Beobachtete Masse:</b> 12 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

CoIP, ELISA, IF, IHC, IP, WB

### Getestete Reaktivität:

Human

### Zitierte Arten:

Huhn, Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, K562-Zellen, MCF-7-Zellen

IHC : humanes Leberkarzinomgewebe, humanes Ovarialkarzinomgewebe

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ningning Guo	30240785	Neuropharmacology	WB
Jie Yang	28957736	J Inorg Biochem	WB
Wenjun Wang	32982756	Front Pharmacol	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

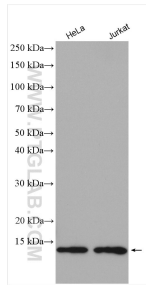
For technical support and original validation data for this product please contact:

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

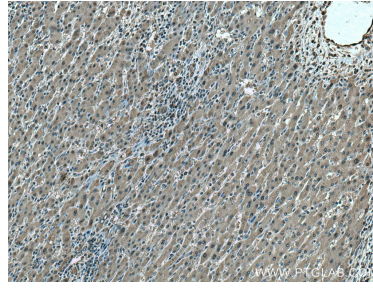
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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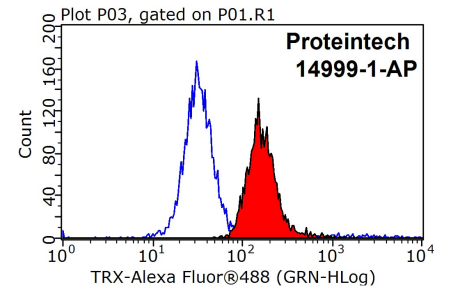
## Ausgewählte Validierungsdaten



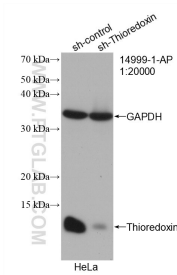
Various lysates were subjected to SDS PAGE followed by western blot with 14999-1-AP (Thioredoxin antibody) at dilution of 1:4500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14999-1-AP (Thioredoxin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug Thioredoxin antibody (14999-1-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.



WB result of Thioredoxin antibody (14999-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Thioredoxin transfected HeLa cells.