

## TXNRD1 Polyclonal Antibody

Catalog number: 11117-1-AP

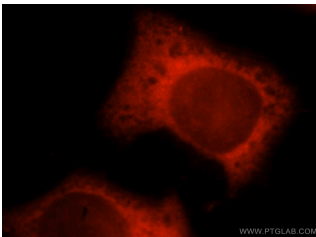
Size: 37 µg/150 µl

Source: Rabbit

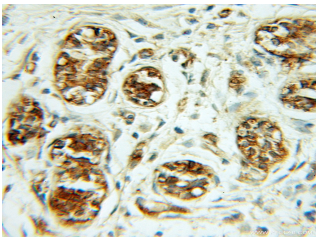
Isotype: IgG

Synonyms:

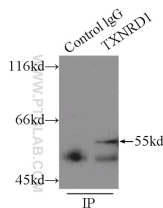
TXNRD1; GRIM 12, GRIM12, KDRF, thioredoxin reductase 1, Thioredoxin reductase TR1, TR, TR1, TRXR1, TXNR, TXNRD1



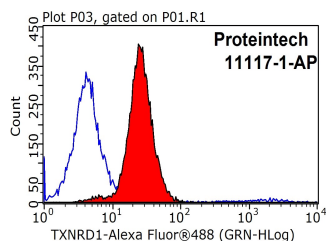
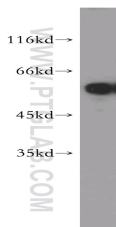
Immunofluorescent analysis of MCF-7 cells, using TXNRD1 antibody 11117-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human breast cancer using 11117-1-AP(TXNRD1 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-TXNRD1 (IP:11117-1-AP, 3µg; Detection:11117-1-AP 1:500) with Jurkat cells lysate 1500ug.



### Background

TXNRD1(Thioredoxin reductase 1, cytoplasmic) is also named as GRIM12, KDRF and belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family.Thioredoxin reductase is a key enzyme in the regulation of the intracellular redox environment.The human TXNRD1 gene is located on chromosome 12 and encodes a protein of 495 amino acids with a molecular mass of 54.1kDa(PMID:11737861).The protein has 6 isoforms produced by alternative splicing.

### Applications

Tested applications:	ELISA, WB, IHC, IF, FC, IP
Cited applications:	IHC, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human, rat
Calculated TXNRD1 MW:	55 kDa
Observed TXNRD1 MW:	55 kDa
Positive WB detected in	Jurkat cells, A549 cells, human brain tissue, human heart tissue, human liver tissue, MCF7 cells, mouse heart tissue
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human breast cancer tissue, human testis tissue
Positive IF detected in	MCF-7 cells
Positive FC detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1618
GenBank accession number:	BC018122
Gene ID (NCBI):	7296
Full name:	Thioredoxin reductase 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Jurkat cells were subjected to SDS PAGE followed by western blot with 11117-1-AP(TXNRD1 antibody) at dilution of 1:500

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.