

Rabbit Thioredoxin reductase 1 (TXNRD1) Polyclonal Antibody | anti-TXNRD1 antibody

Thioredoxin reductase 1 (TXNRD1) Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28332	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

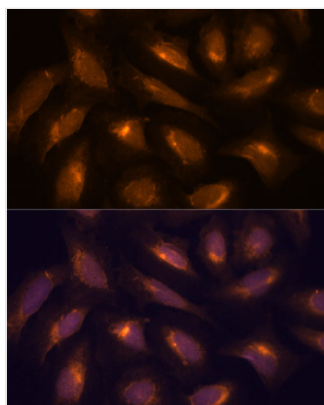
PRODUCT SYNONYMS

Thioredoxin reductase 1 (TXNRD1); Polyclonal Antibody; Thioredoxin reductase 1 (TXNRD1) Rabbit pAb; TXNRD1; GRIM-12; TR; TR1; TRXR1; TXNR; anti-TXNRD1 antibody

PRODUCT SPECIFICATIONS

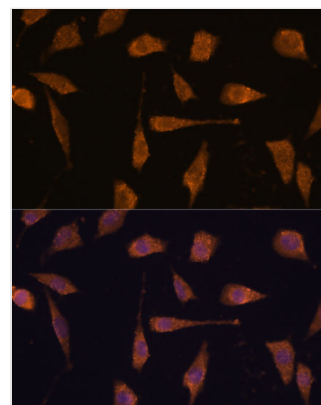
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-TXNRD1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:200 Customer Validation: WB: Human
Immunogen	Recombinant protein of human Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1))
Positive Samples	HepG2, BxPC-3, Mouse heart
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



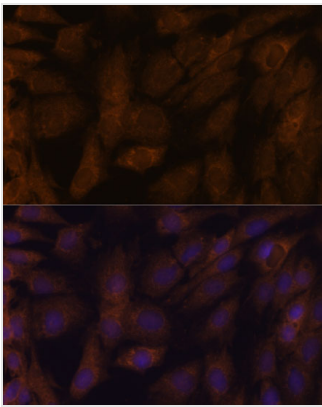
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1)) antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



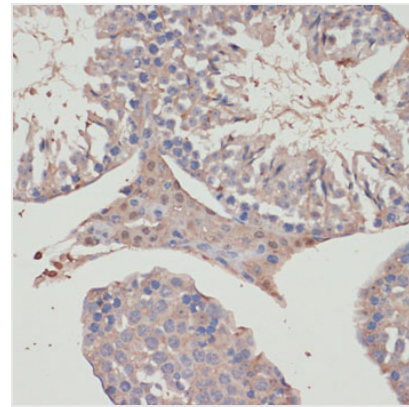
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1)) antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



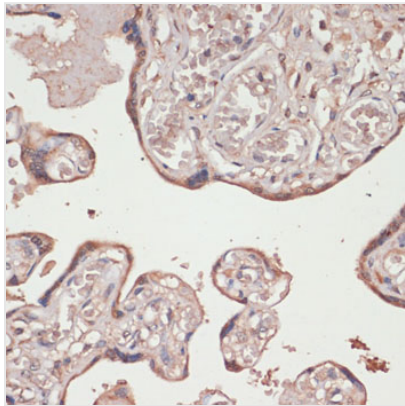
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1)) antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



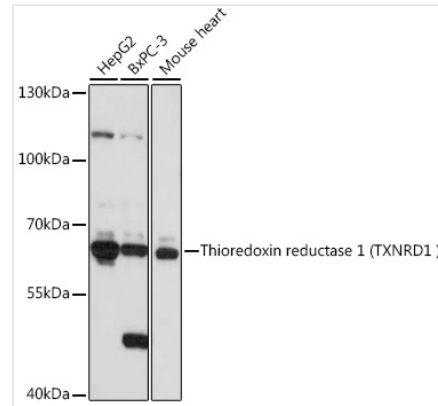
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1)) antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1)) antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Thioredoxin reductase 1 (Thioredoxin reductase 1 (TXNRD1)) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-TXNRD1 antibody

Background: This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. The functional enzyme is thought to be a homodimer which uses FAD as a cofactor. Each subunit contains a selenocysteine (Sec) residue which is required for catalytic activity. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenocysteine-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing results in several transcript variants encoding the same or different isoforms.

NCBI AND UNIPROT INFORMATION

NCBI GI #	172046253
NCBI GeneID	7296
UniProt Accession #	Q16881
NCBI Official Full Name	Thioredoxin reductase 1, cytoplasmic
UniProt Protein Name	Thioredoxin reductase 1, cytoplasmic
UniProt Gene Name	TXNRD1
UniProt Synonym Gene Names	GRIM12; KDRF; TR; GRIM-12; Gene associated with retinoic and IFN-induced mortality 12 protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/thioredoxin-reductase-1-txnrd1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28332>