Rabbit anti-Human Thioredoxin/TRX Polyclonal Antibody | anti-TXN antibody

Anti-Thioredoxin/TRX Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254888	**Rabbit**	**Human**	**Immunoprecipitation, ELISA, Western Blot**

PRODUCT SYNONYMS

Thioredoxin/TRX; Polyclonal Antibody; Anti-Thioredoxin/TRX Antibody; Rabbit Polyclonal; Thioredoxin/TXN Antibody; Rabbit PAb; Antigen Affinity Purified; thioredoxin; Anti-DKFZp686B1993 Antibody; Anti-MGC61975 Antibody; Anti-RP11-427L11.1 Antibody; Anti-TRDX Antibody; Anti-TRX Antibody; Anti-TRX1 Antibody; Anti-TXN Antibody; anti-TXN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Thioredoxin/TXN
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TXN antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Thioredoxin/TXN protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Thioredoxin/TXN (rh Thioredoxin/TXN). Thioredoxin/TXN specific IgG was purified by Human Thioredoxin/TXN affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)
TXN was immunoprecipitated using:Lane A:0.5 mg Hela Whole Cell LysateLane B:0.5 mg HepG2 Whole Cell LysateLane C:0.5 mg MCF-7 Whole Cell LysateLane D:0.5 mg THP-1 Whole Cell Lysate2 uL anti-TXN rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-TXN rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 13 kDaObserved band size: 13 kDa



WB (Western Blot)
Anti-TXN rabbit polyclonal antibody at 1:5000 dilutionLane A: Hela Whole Cell LysateLane B: TPH-1 Whole Cell LysateLane C: A431 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:12 kDaObserved band size:14 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TXN antibody	Thioredoxin, also known as ATL-derived factor, Surface-associated sulphydryl protein, SASP and TXN, is a nucleus, cytoplasm and secreted protein that belongs to the thioredoxin family. Thioredoxins are proteins that act as antioxidants by facilitating the reduction of other proteins by cysteine thiol-disulfide exchange. Thioredoxins are found in nearly all known organisms and are essential for life in mammals. Thioredoxin/TXN participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Thioredoxin/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. Thioredoxin/TXN nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. Thioredoxin/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.
References	Holmgren A, et al., 1989, J Biol Chem 264 (24): 13963-6. Nordberg J, et al., 2001, Free Radic Biol Med31 (11): 1287-312. Mustacich D, et al., 2000, Biochem J 346 (Pt 1): 1-8. Mitchell D.A., et al., 2005, Nat. Chem. Biol. 1:154-158.

NCBI AND UNIPROT INFORMATION

NCBI GI #	349732256
NCBI GeneID	7295
NCBI Accession #	NP_001231867.1
NCBI GenBank Nucleotide #	NM_001244938.1
UniProt Accession #	P10599; O60744; Q53X69; Q96KI3; Q9UDG5; B1ALW1
Molecular Weight	105
NCBI Official Full Name	thioredoxin isoform 2
NCBI Official Synonym Full Names	thioredoxin
NCBI Official Symbol	TXN
NCBI Official Synonym Symbols	TRX; TRDX; TRX1
NCBI Protein Information	thioredoxin; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphydryl protein
UniProt Protein Name	Thioredoxin
UniProt Gene Name	**TXN**
UniProt Synonym Gene Names	TRDX; TRX; TRX1; Trx; ADF; SASP
UniProt Entry Name	THIO_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/thioredoxin-trx-antibody-immunoprecipitation-western-blot-elisa/254888