

Rabbit anti-Human, Mouse Thioredoxin Polyclonal Antibody | anti-TXN antibody

Thioredoxin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29875	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Thioredoxin; Polyclonal Antibody; Thioredoxin Antibody; ADF antibody; ATL-derived factor antibody; SASP antibody; Surface associated sulphhydryl protein antibody; TRN antibody; TXN 1 antibody; TXN antibody; anti-TXN antibody

PRODUCT SPECIFICATIONS

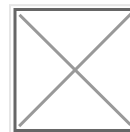
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TXN antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:500 IHC: 1:50-1:100 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



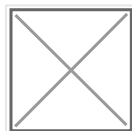
FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with Thioredoxin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



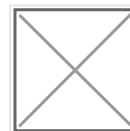
ICC (Immunocytochemistry)

ICC staining Thioredoxin in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Thioredoxin in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Thioredoxin antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Thioredoxin antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Thioredoxin antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-TXN antibody	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. 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. 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.ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55).
Product Categories/Family for anti-TXN antibody	Total protein Ab

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/thioredoxin-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/29875>