

Datasheet for ABIN7172014
anti-TXN antibody (AA 2-105)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	TXN
Binding Specificity:	AA 2-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Thioredoxin protein (2-105AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TXN
Alternative Name:	TXN (TXN Products)
Background:	Background: 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

Target Details

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.

Aliases: ADF antibody, ATL derived factor antibody, ATL-derived factor antibody, DKFZp686B1993 antibody, MGC61975 antibody, SASP antibody, Surface associated sulphhydryl protein antibody, Surface-associated sulphhydryl protein antibody, testicular tissue protein Li 199 antibody, THIO_HUMAN antibody, Thioredoxin antibody, thioredoxin delta 3 antibody, TRDX antibody, TRX 1 antibody, Trx antibody, TRX1 antibody, TXN antibody, TXN delta 3 antibody, TXN protein antibody, zgc:92903 antibody

UniProt: [P10599](#)

Pathways: [Carbohydrate Homeostasis](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

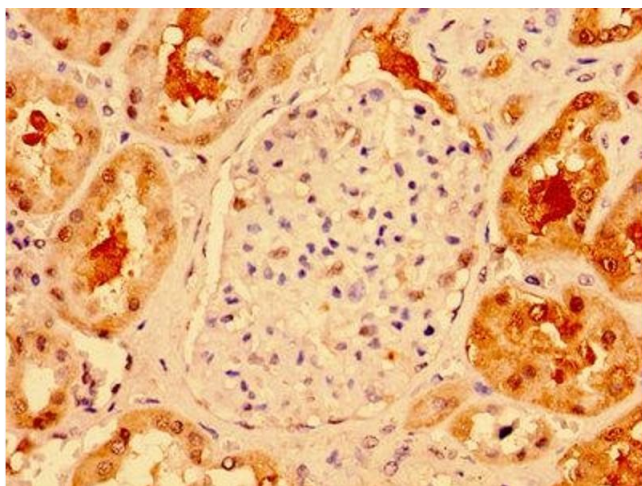
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

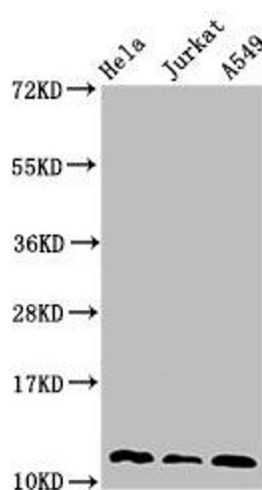
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



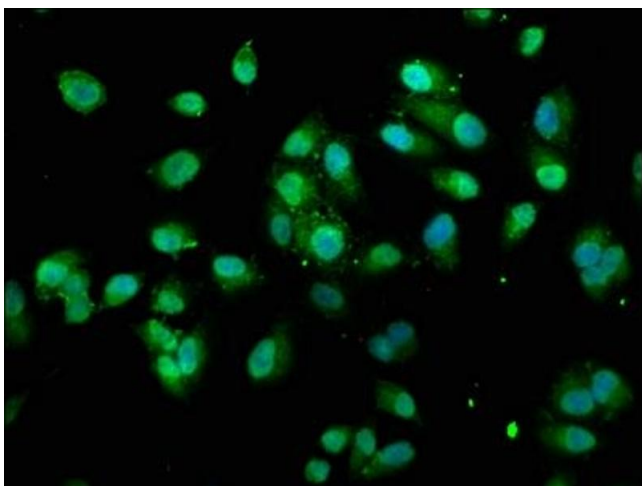
Immunohistochemistry

Image 1. IHC image of ABIN7172014 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, Jurkat whole cell lysate, A549 whole cell lysate. All lanes: TXN antibody at 3 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 12, 10 kDa. Observed band size: 12 kDa.



Immunofluorescence

Image 3. Immunofluorescence staining of HeLa cells with ABIN7172014 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7172014.