

PAA702Hu01

Polyclonal Antibody to Thioredoxin (Trx)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.26mg/mL

UOM: 10µL

Cross Reactivity: N/A

Applications: WB; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant Trx (Met1~Val105) expressed in *E.coli*

Accession No.: RPA702Hu01

[APPLICATIONS]

Western blotting: 0.01-2?g/mL;

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 20?g/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

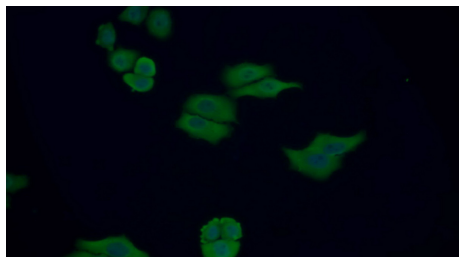
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

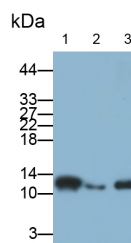
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

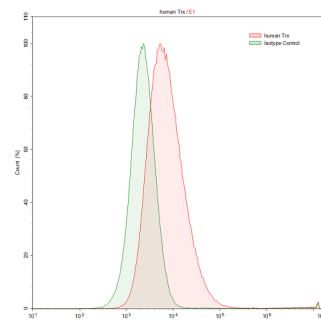
[IDENTIFICATION]



FITC staining on IF; Samples: Human MCF7 cell; Primary Ab: 20?g/ml Rabbit Anti-Human Trx Antibody Second Ab: 1.5?g/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb18)

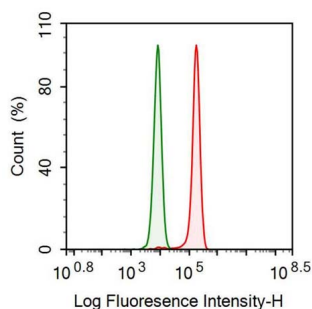


Western Blot; Samples: Lane1: HeLa cell lysate; Lane2: HepG2 cell lysate; Lane3: A549 cell lysate; Primary Ab: 0.2μg/ml Rabbit Anti-Human Trx Antibody Second Ab: 0.2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



HepG2 human hepatocellular carcinoma cell line was stained with rabbit Anti-human Trx Polyclonal Antibody (Catalog # PAA702Hu01, filled red histogram) or Isotype control antibody (Catalog # IS067-Rb01, filled green histogram), followed by APC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog # SAA544Rb15).

Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100.



Human A549 cell was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100,then stained with 20μg/ml rabbit Anti-human Trx Polyclonal Antibody

(Catalog PAA702Hu01, red histogram)
or Isotype control antibody (Catalog
IS067-Rb01, green histogram), followed
by 1µg/ml FITC-conjugated Anti-rabbit
IgG Secondary Antibody (Catalog
SAA544Rb18).

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.