

MAA702Ra22

Monoclonal Antibody to Thioredoxin (Trx)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C12

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: Human

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant Trx (Met1~Ala105) expressed in *E.coli*

Accession No.: RPA702Ra01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunofluorescence: 5-30µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

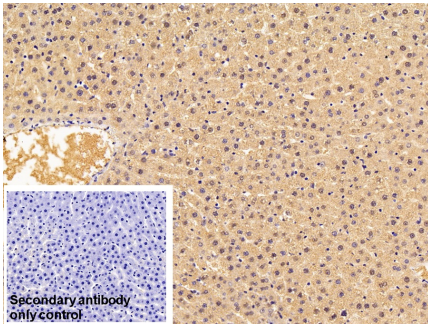
Store at 4°C for frequent use.

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]



DAB staining on IHC-P;

Sample: Rat Liver Tissue

Primary Ab: 30µg/ml Mouse Anti-Rat

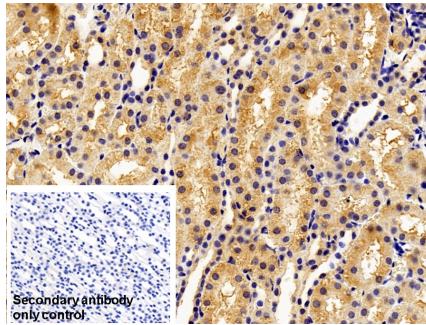
Trx Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2?g/ml HRP-Linked

Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Rat Kidney Tissue

Primary Ab: 30µg/ml Mouse Anti-Rat

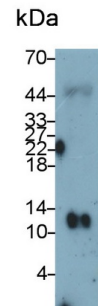
Trx Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2?g/ml HRP-Linked

Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



Western Blot; Sample: Rat Liver lysate

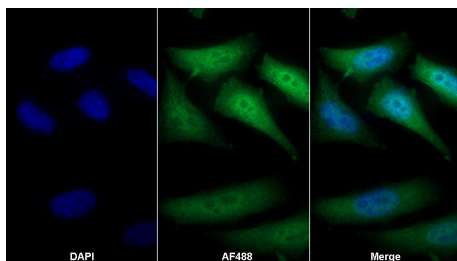
Primary Ab: 0.2µg/ml Mouse Anti-Rat

Trx Antibody

Second Ab: 0.2?g/ml HRP-Linked

Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



AF488 staining on IF;

Sample: HepG2 cell

Primary Ab: 30µg/ml Mouse Anti-Rat

Trx Antibody

Second Ab: 2?g/ml AF488-Linked

Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)

(Catalog: SAA544Mu11)

[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.