

MAA702Ra21

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: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C26

Traits: Liquid

Concentration: 1mg/mL

UOM: 200μL

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: 5-20μg/mL;

Immunofluorescence: 5-30μg/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.

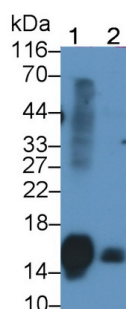
Store at 4°C for frequent use.

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

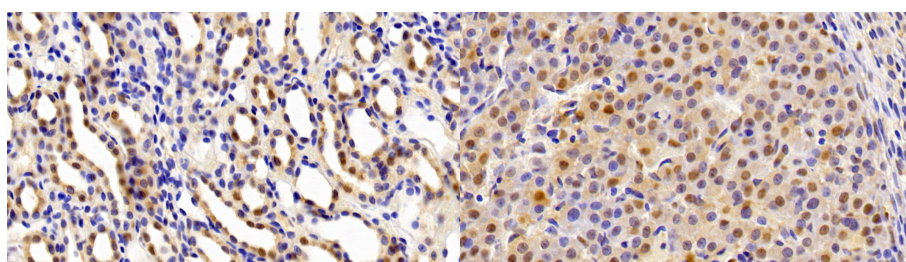
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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]

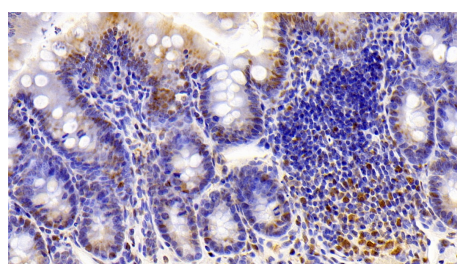


Western Blot; Sample: Lane1: Rat Liver lysate; Lane2: Rat Cerebrum lysate
Primary Ab: 2?g/ml Mouse Anti-Rat Trx Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

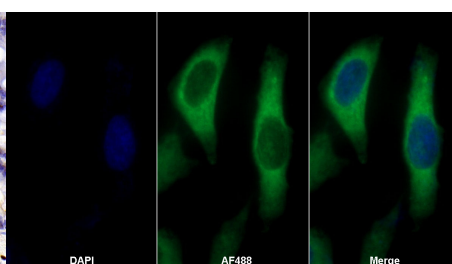


DAB staining on IHC-P;
Samples: Rat Kidney Tissue;
Primary Ab: 20?g/ml Mouse Anti-Rat Trx Antibody
Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Samples: Rat Ovary Tissue;
Primary Ab: 20?g/ml Mouse Anti-Rat Trx Antibody
Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Samples: Rat Colon Tissue;
Primary Ab: 20?g/ml Mouse Anti-Rat Trx Antibody
Second Ab: 2μg/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: 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.