

**MAA928Ra22**

**Monoclonal Antibody to Tumor Protein p53 (P53)**

**Organism Species: *Rattus norvegicus* (Rat)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG2a lambda

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** D10

**Traits:** Liquid

**Concentration:** 0.45mg/ml

**UOM:** 200µl

**Cross Reactivity:** Human; Mouse; Canine; Pig; Bovine; Goat; Gallus

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant P53 (Pro90~Ala354) expressed in *E.coli*

**Accession No.:** RPA928Ra01

**[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunocytochemistry: 5-40µg/mL;

Optimal working dilutions must be determined by end user.

**[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

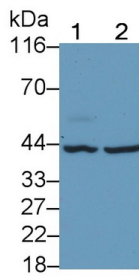
Store at 4°C for frequent use.

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

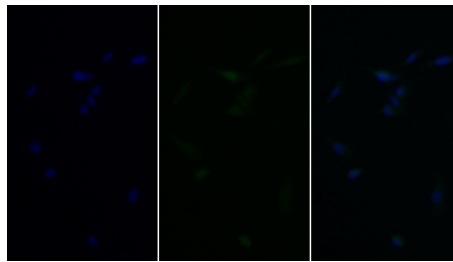
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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.

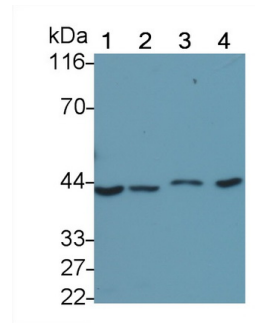
**[ IDENTIFICATION ]**



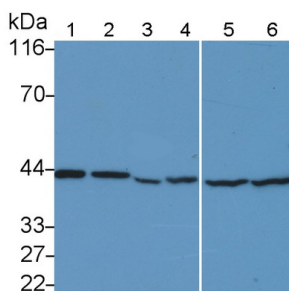
Western Blot; Sample: Lane1: Rat Colon lysate; Lane2: A431 cell lysate  
 Primary Ab: 0.5ug/ml Mouse Anti-Rat P53 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



FITC staining on IF; Sample: Human HepG2 cell; Primary Ab: 40?g/ml Mouse Anti-Rat TP53 Antibody Second Ab: 5?g/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu18)



Western Blot; Sample: Lane1: Porcine Colon lysate; Lane2: Porcine Spleen lysate; Lane3: Porcine Mammary gland lysate; Lane4: Porcine Skin lysate  
 Primary Ab: 0.5ug/ml Mouse Anti-Rat P53 Antibody  
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: 3T3-L1 cell lysate; Lane2: RAW264.7 cell lysate; Lane3: Canine Colon lysate; Lane4: Gallus Small intestine lysate; Lane5: Bovine Colon lysate; Lane6: Caprine Colon lysate

Primary Ab: 0.5ug/ml Mouse Anti-Rat

P53 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)

**[ 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.