PAA928Hu01

Polyclonal Antibody to Tumor Protein p53 (P53)

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: 0.5mg/mL

UOM: 100µL

Cross Reactivity: Mouse;Rat;Porcine.

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant P53 (Gly108~Lys370) expressed in *E.coli*

Accession No.: RPA928Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunocytochemistry: 5-20µg/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 4ºC for frequent use.

Aliquot and store at -20ºC 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]

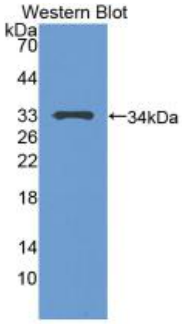
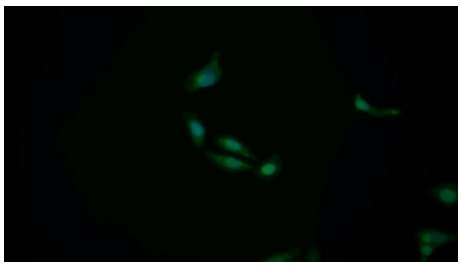
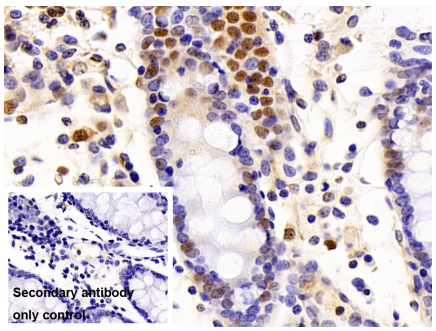


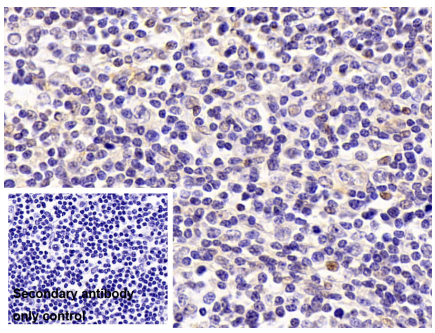
Figure 1. Western Blot; Sample: Recombinant TP53, Human.



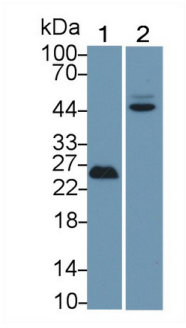
FITC staining on IF; Samples: Human HepG2 cell; Primary Ab: 20μg/ml Rabbit Anti-Human TP53 Antibody Second Ab: 1.5μg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb18)



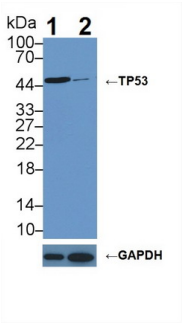
DAB staining on IHC-P; Sample: Porcine Colon Tissue Primary Ab: 10μg/ml Rabbit Anti-Human P53 Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Porcine Lymph node Tissue Primary Ab: 10μg/ml Rabbit Anti-Human P53 Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked



Western Blot; Sample: Lane1: Rat Spleen lysate; Lane2: Human 293T cell lysate Primary Ab: 1μg/mL Rabbit Anti-Human TP53 Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

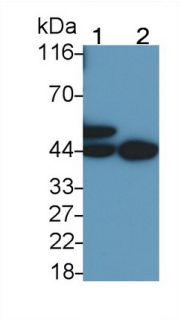


Knockout Varification: Lane 1: Wild-type MCF7 cell lysate; Lane 2: TP53 knockout MCF7 cell lysate; Predicted MW: 24,30,33,34,38,39,44kDa Observed MW: 50kDa

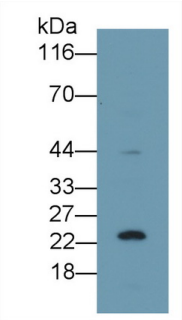
Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

Antibody
(Catalog: SAA544Rb19)

Primary Ab: 1µg/ml Rabbit Anti-Human TP53 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: A431 cell lysate; Lane2: MCF7 cell lysate
Primary Ab: 0.3µg/ml Rabbit Anti-Human TP53 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Porcine Skin lysate
Primary Ab: 0.3µg/ml Rabbit Anti-Human TP53 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

[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.