

**PAA153Mu01**

**Polyclonal Antibody to Alpha-Fetoprotein (AFP)**

**Organism Species: *Mus musculus* (Mouse)**

***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:** 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:** N/A

**Applications:** WB; IHC

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant AFP (Lys399~Val605) expressed in *E.coli*

**Accession No.:** RPA153Mu01

### **[ APPLICATIONS ]**

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/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.

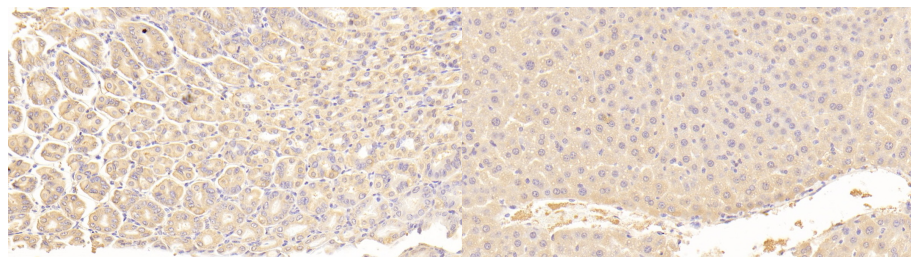
Store at 4°C for frequent use.

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 ]

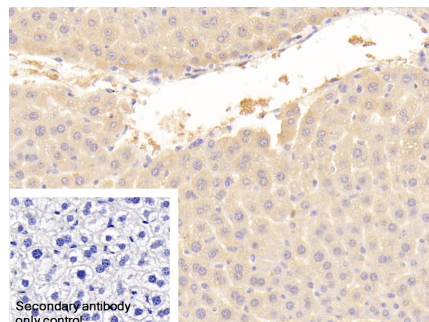


DAB staining on IHC-P; Samples:

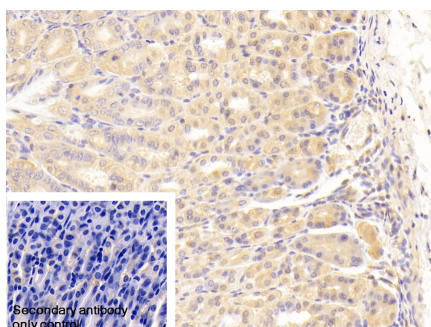
Mouse Stomach Tissue; Primary Ab:  
20 $\mu$ g/ml Rabbit Anti-Mouse aFP  
Antibody Second Ab: 2 $\mu$ g/mL HRP-  
Linked Caprine Anti-Rabbit IgG  
Polyclonal Antibody (Catalog:  
SAA544Rb19)

DAB staining on IHC-P;

Samples: Mouse Liver Tissue;  
Primary Ab: 20 $\mu$ g/ml Rabbit Anti-Mouse  
aFP Antibody  
Second Ab: 2 $\mu$ g/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

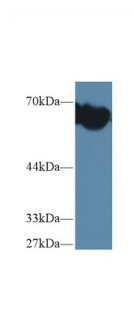


DAB staining on IHC-P; Sample: Mouse  
Liver Tissue Primary Ab: 20 $\mu$ g/ml Rabbit  
Anti-Mouse aFP Antibody Control: Used  
PBS instead of primary antibody Second  
Ab: 2 $\mu$ g/ml HRP-Linked Caprine Anti-  
Rabbit IgG Polyclonal  
Antibody (Catalog: SAA544Rb19)



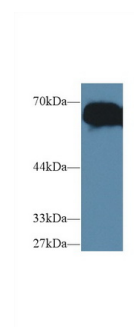
DAB staining on IHC-P;

Sample: Mouse Stomach Tissue  
Primary Ab: 20 $\mu$ g/ml Rabbit Anti-Mouse  
aFP Antibody  
Control: Used PBS instead of primary  
antibody  
Second Ab: 2 $\mu$ g/ml HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



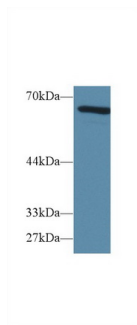
Western Blot; Sample: Mouse Blood  
Cells lysate;

Primary Ab: 1 $\mu$ g/ml Rabbit Anti-Mouse  
aFP Antibody  
Second Ab: 0.2 $\mu$ g/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Serum;

Primary Ab: 1 $\mu$ g/ml Rabbit Anti-Mouse  
aFP Antibody  
Second Ab: 0.2 $\mu$ g/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Lung  
lysate;

Primary Ab: 2 $\mu$ g/ml Rabbit Anti-Mouse  
aFP Antibody

Second Ab: 0.2 $\mu$ g/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.