

**PAA764Hu01**

**Polyclonal Antibody to Forkhead Box Protein O1 (FOXO1)**

**Organism Species: *Homo sapiens (Human)***

***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:** 0.25mg/mL

**UOM:** 100µL

**Cross Reactivity:** Mouse

**Applications:** WB; IHC; IF; FCM

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant FOXO1 (Thr333~Gln557) expressed in *E.coli*

**Accession No.:** RPA764Hu01

## **[ APPLICATIONS ]**

Western blotting: 0.01-2?g/mL;

Immunohistochemistry: 5-20?g/mL;

Immunofluorescence:5-20?g/mL;

Flow cytometry:20?g/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.

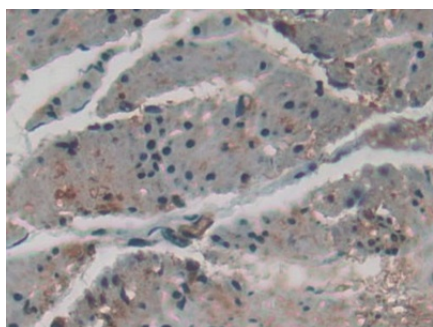
Store at 4°C for frequent use.

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

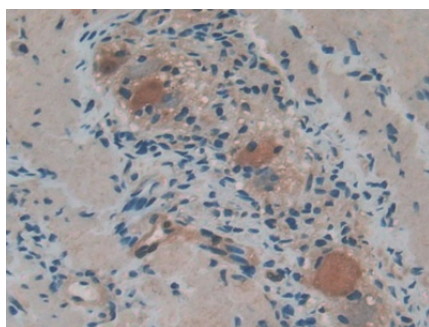
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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.

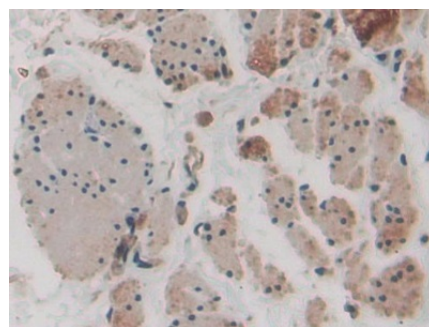
## [ IDENTIFICATION ]



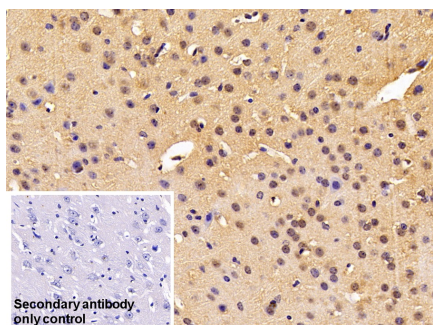
DAB staining on IHC-P; Samples: Human Esophagus Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



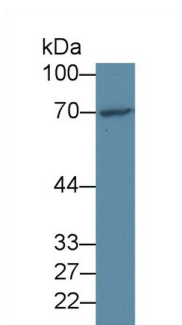
DAB staining on IHC-P; Samples: Human Stomach cancer Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



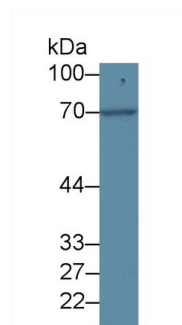
DAB staining on IHC-P; Samples: Human Esophagus cancer Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Mouse Cerebrum Tissue Primary Ab: 10µg/ml Rabbit Anti-Human FOXO1 Antibody Control: Used PBS instead of primary antibody Second Ab: 2?g/ml HRP-Linked



Western Blot; Sample: Human Hela cell lysate; Primary Ab: 2µg/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Western Blot; Sample: Human HepG2 cell lysate; Primary Ab: 2µg/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

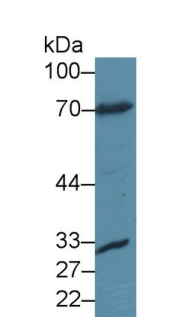
Caprine Anti-Rabbit IgG Polyclonal

(Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)

Antibody

(Catalog: SAA544Rb19)

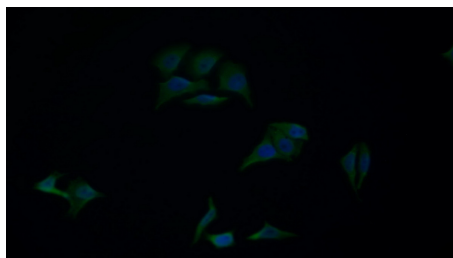


Western Blot; Sample: Mouse Liver lysate;

Primary Ab: 2µg/ml Rabbit Anti-Human FOXO1 Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



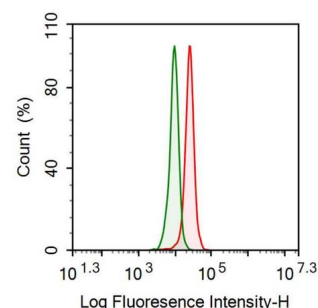
FITC staining on IF;

Samples: Human HepG2 cell;

Primary Ab: 20µg/ml Rabbit Anti-Human FOXO1 Antibody

Second Ab: 1.5µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb18)



Human HepG2 cell was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100, then stained with 20µg/ml rabbit Anti-human FOXO1 Polyclonal Antibody (Catalog PAA764Hu01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

## [ **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.