PAB231Hu01

Polyclonal Antibody to Cytokeratin 18 (CK18)

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;Porcine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant CK18 (Asp238~Leu396) expressed in *E.coli*

Accession No.: RPB231Hu01

[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.

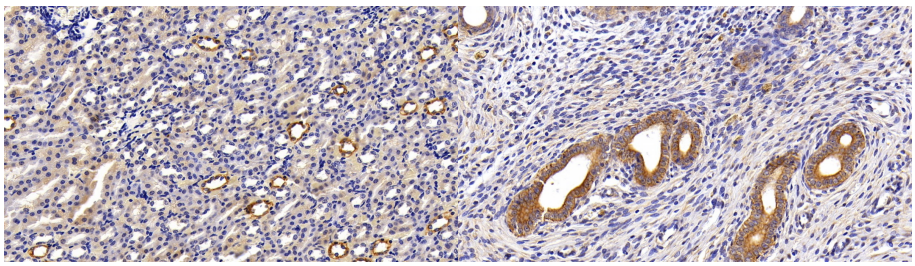
Store at 4ºC for frequent use.

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

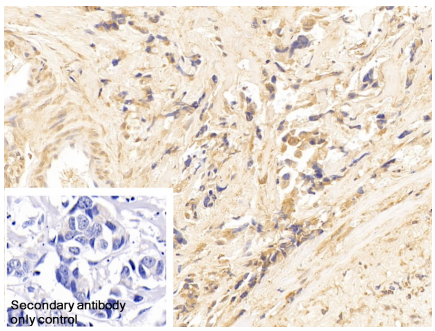
obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

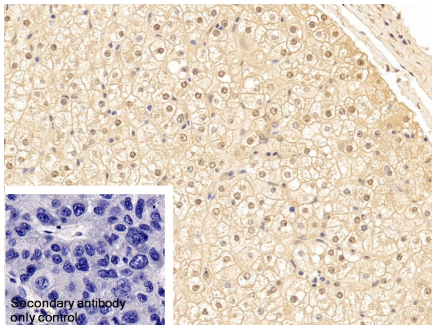


DAB staining on IHC-P;
Sample: Rat Kidney Tissue;
Primary Ab: 10ug/ml Rabbit Anti-Human CK18 Antibody
Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

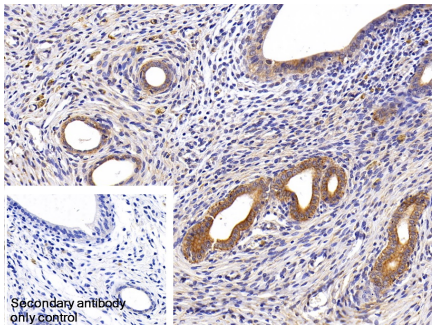
DAB staining on IHC-P;
Sample: Rat Uterus Tissue;
Primary Ab: 10ug/ml Rabbit Anti-Human CK18 Antibody
Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



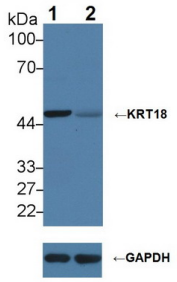
DAB staining on IHC-P;
Sample: Human Breast cancer Tissue
Primary Ab: 10μg/ml Rabbit Anti-Human CK18 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Human Liver Tissue
Primary Ab: 10μg/ml Rabbit Anti-Human CK18 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2μg/ml HRP-Linked



DAB staining on IHC-P;
Sample: Rat Uterus Tissue
Primary Ab: 10μg/ml Rabbit Anti-Human CK18 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2μg/ml HRP-Linked

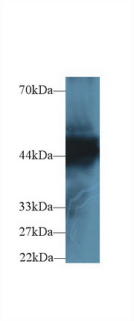


Knockout Varification:
Lane 1: Wild-type Hela cell lysate;
Lane 2: KRT18 knockout Hela cell lysate;
Predicted MW: 48kDa
Observed MW: 48kDa
Primary Ab: 2μg/ml Rabbit Anti-Human

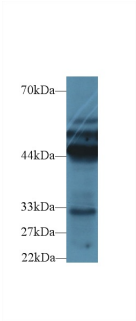
Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

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

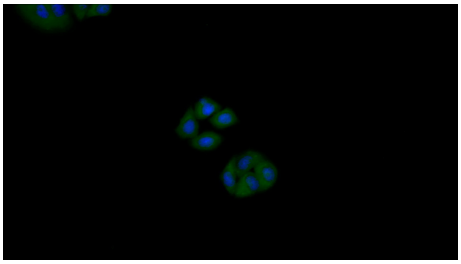
KRT18 Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



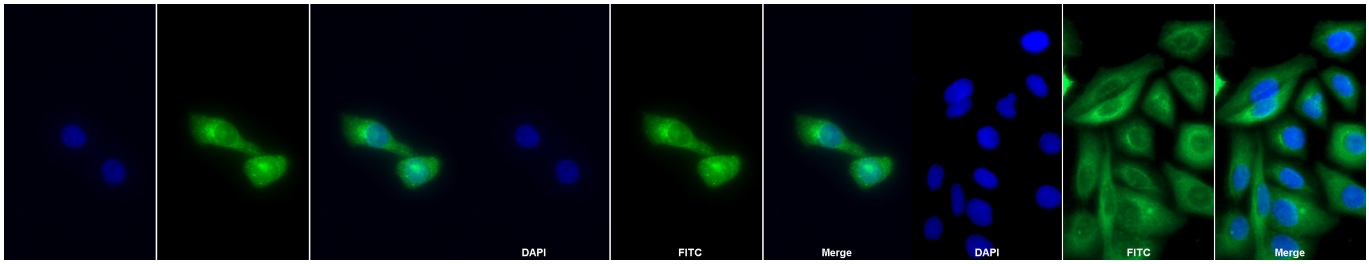
Western Blot; Sample: Human Hela cell lysate;
Primary Ab: 2μg/ml Rabbit Anti-Human KRT18 Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Porcine Liver lysate;
Primary Ab: 2μg/ml Rabbit Anti-Human KRT18 Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



FITC staining on IF;
Samples: Human MCF7 cell;
Primary Ab: 20?g/ml Rabbit Anti-Human KRT18 Antibody
Second Ab: 1.5?g/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb18)



FITC staining on IF;
Sample: Human Hela cell;
Primary Ab: 20ug/ml Rabbit Anti-Human CK18 Antibody
Second Ab: 2μg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb18)

FITC staining on IF;
Sample: Hela cell
Primary Ab: 20μg/ml Rabbit Anti-Human CK18 Antibody
Second Ab: 2μg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb11)

FITC staining on IF;
Sample: Primary Mouse Neonatal Epidermal Keratinocytes cell
Primary Ab: 10μg/ml Rabbit Anti-Human CK18 Antibody
Second Ab: 2μg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal 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.