

PAC231Hu01

Polyclonal Antibody to Protein Kinase B Alpha (PKBa)

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: 0.4mg/mL

UOM: 100μL

Cross Reactivity: Mouse;Rat;Canine;Porcine;Bovine;Gallus

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant PKBa (Ser122~Thr443) expressed in *E.coli*

Accession No.: RPC231Hu01

[APPLICATIONS]

Western blotting: 0.01-3μg/mL;

Immunohistochemistry: 5-30μg/mL;

Immunocytochemistry: 5-30μg/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.

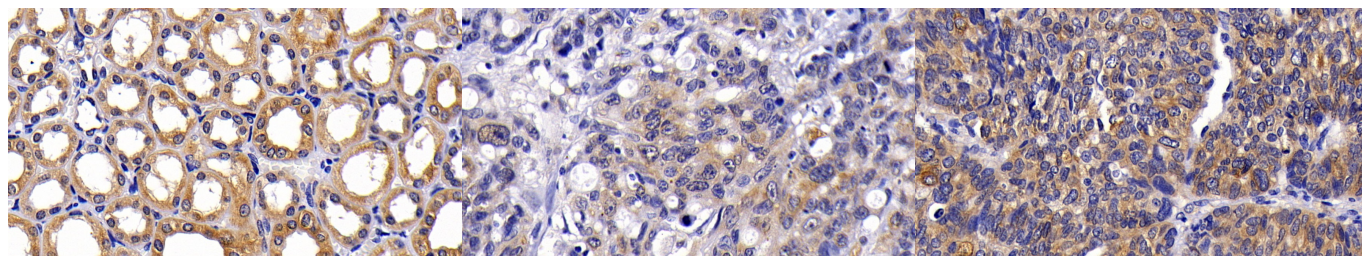
Store at 4°C for frequent use.

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 Kidney Tissue;

Primary Ab: 30ug/ml Rabbit Anti-Human PKBa Antibody

Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

DAB staining on IHC-P;

Samples: Human Lymphoma Tissue;

Primary Ab: 30ug/ml Rabbit Anti-Human PKBa Antibody

Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

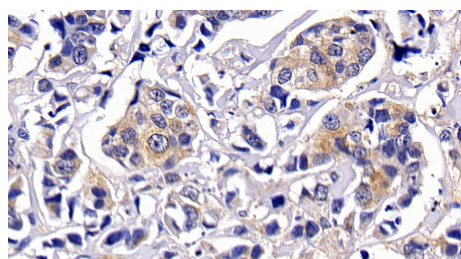
DAB staining on IHC-P;

Samples: Human Ovarian cancer Tissue;

Primary Ab: 30ug/ml Rabbit Anti-Human PKBa Antibody

Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



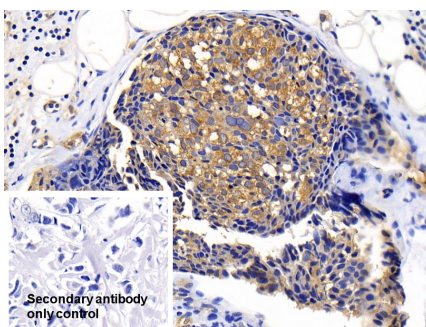
DAB staining on IHC-P;

Samples: Human Breast cancer Tissue;

Primary Ab: 30ug/ml Rabbit Anti-Human PKBa 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

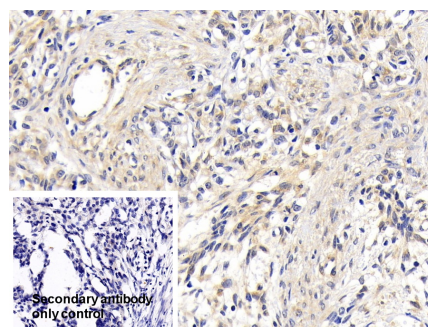
Primary Ab: 20μg/ml Rabbit Anti-Human PKBa Antibody

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 Ovarian cancer Tissue

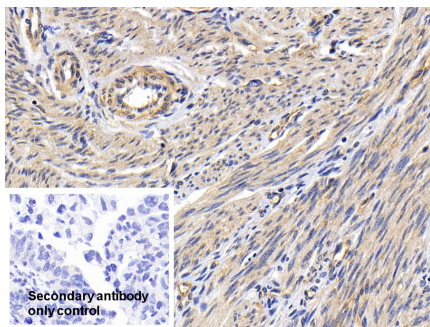
Primary Ab: 20μg/ml Rabbit Anti-Human PKBa Antibody

Control: Used PBS instead of primary antibody

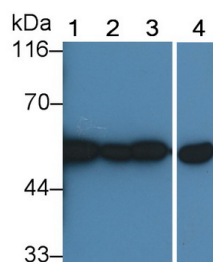
Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

Antibody

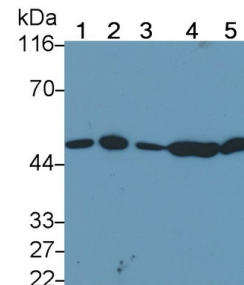
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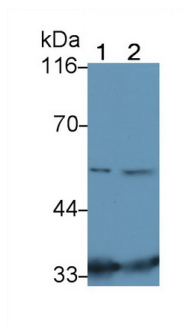
Sample: Human Endometrial cancer
Tissue
Primary Ab: 20µg/ml Rabbit Anti-
Human PKBa Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



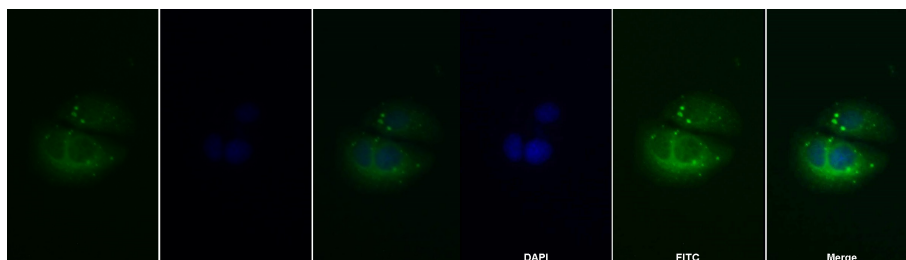
Western Blot; Sample: Lane1: Human
Lung lysate; Lane2: Hela cell lysate;
Lane3: MCF7 cell lysate; Lane4:
Porcine Cerebrum lysate
Primary Ab: 0.5µg/ml Rabbit Anti-
Human PKBa Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Rat
Cerebrum lysate; Lane2: Mouse
Cerebrum lysate; Lane3: Bovine
Cerebrum lysate; Lane4: Canine
Cerebrum lysate; Lane5: Gallus
Cerebrum lysate
Primary Ab: 0.05µg/ml Rabbit Anti-
Human PKBa Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: HL60
cell lysate; Lane2: Porcine Lung lysate
Primary Ab: 0.4µg/ml Rabbit Anti-
Human PKBa Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



FITC staining on IF;
Sample: Human Hela cell;
Primary Ab: 20µg/ml Rabbit Anti-
Human PKBa Antibody
Second Ab: 1.5µg/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 PKBa Antibody
Second Ab: 2µg/ml FITC-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb11)

[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.