

**AAC231Mu01**  
**Anti-Phosphorylated Protein Kinase B Alpha (PKBa) Polyclonal Antibody**  
**Organism Species: Mus musculus (Mouse)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## **[ PROPERTIES ]**

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Antibody isotype:** IgG

**Specificity:** Phospho-PKBa (Ser473) antibody detects endogenous levels of PKBa only when phosphorylated at serine 473.

**Purification:** Antigen-specific Affinity Chromatography.

**Traits:** Liquid

**Concentration:** 200µg/mL

**UOM:** 100µg

**Applications:** ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

## **[ IMMUNOGEN ]**

**Immunogen:** Synthetic Phosphopeptide Phospho-PKBa(Ser473)

**Accession No.:** MPC231Mu01

**Sequence:** The target peptide sequence is listed below.

MEC VDSERRPHFP QFS<sub>P</sub>Y

## **[ APPLICATIONS ]**

Immunocytochemistry in formalin fixed cells: 5-30ug/ml

Immunohistochemistry in formalin fixed frozen section: 5-30ug/ml

Immunohistochemistry in paraffin section: 5-30ug/ml

Enzyme-linked Immunosorbent Assay: 0.05-2ug/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 ]**

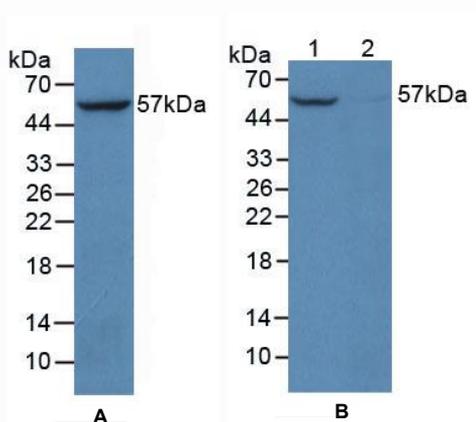
**Storage:** Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 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**

**A. Sample:** Human MCF-7 Cells

**Primary Ab:** 2 $\mu$ g/mL Rabbit Anti-Mouse PKBa Ab

**B. Sample:**

**Lane1:** Human MCF-7 Cells, untreated

**Lane2:** Human MCF-7 Cells treated with Alkaline Phosphatase

**Primary Ab:** 2 $\mu$ g/mL Rabbit Anti-Mouse Phospho-PKBa (Ser473) Ab

**Second Ab:** 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab  
(Catalog: SAA544Rb59)