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## 39-1088: Anti-PKB alpha Monoclonal Antibody (Clone: PKB-175)

Clonality: Monoclonal Clone Name: PKB-175 Application: WB Reactivity: Human Gene: Akt1 Gene ID: 24185 **Uniprot ID:** P47196

RAC-alpha serine/threonine-protein kinase; 2.7.11.1; Protein kinase B; PKB; Protein kinase B **Alternative Name:** 

alpha; PKB alpha; RAC-PK-alpha; Akt1

Isotype:

Synthetic peptide corresponding to amino acids 461-477 of human PKB alpha/Akt1, Immunogen Information:

conjugated to KLH.

## **Description**

PKB alpha also knows as V-AKT murine thymoma vial oncogene homolog 1(ATK1). AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and is abrogated by mutations in the pleckstrin homology domain of AKT1. AKT1 gene is mapped to chromosome 14q32.3. Akt1/protein kinase B-alpha is critical for ischemic and VEGF-mediated angiogenesis. Akt1 regulates pathological angiogenesis, vascular maturation and permeability in vivo.

## **Product Info**

100 μg/vial Amount: **Purification:** Ascites

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Content:

Reconstitute: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and Storage condition:

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Western blot : 0.25-0.5̸¼g/ml

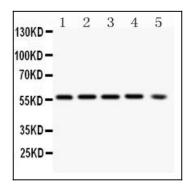


Figure 1: Anti-PKB alpha antibody 39-1088. Western blotting: Lanes: Anti PKB alpha(39-1088) at 0.5ug/ml, Lane 1: Rat Ovary Tissue Lysate at 50ug, Lane 2: PC-12 Whole Cell Lysate at 40ug, Lane 3: A549 Whole Cell Lysate at 40ug, Lane 4: MCF-7 Whole Cell Lysate at 40ug, Lane 5: HEPA Whole Cell Lysate at 40ug. Predicted band size: 56 kDa. Observed band size: 56 kDa.