

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PKB-175
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	Akt1
<b>Gene ID :</b>	24185
<b>Uniprot ID :</b>	P47196
<b>Alternative Name :</b>	RAC-alpha serine/threonine-protein kinase; 2.7.11.1; Protein kinase B; PKB; Protein kinase B alpha; PKB alpha; RAC-PK-alpha; Akt1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Synthetic peptide corresponding to amino acids 461-477 of human PKB alpha/Akt1, conjugated to KLH.

### Description

PKB alpha also known as V-AKT murine thymoma viral oncogene homolog 1 (AKT1). 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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 0.25-0.5 µg/ml

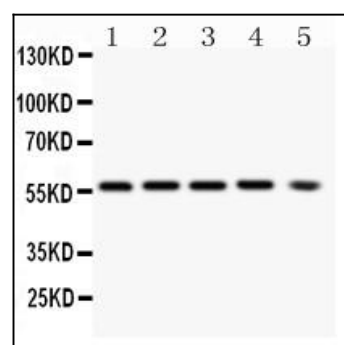


Figure 1: Anti-PKB alpha antibody 39-1088. Western blotting: Lanes: Anti PKB alpha(39-1088) at 0.5ug/ml, Lane 1: Rat Ovary Tissue Lysate at 50ug, Lane 2: PC-12 Whole Cell Lysate at 40ug, Lane 3: A549 Whole Cell Lysate at 40ug, Lane 4: MCF-7 Whole Cell Lysate at 40ug, Lane 5: HEPA Whole Cell Lysate at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