

Basic Information

Product Name	Anti-AKT1 Antibody (Clone#PKB-175)
Gene Name	AKT1
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat, chicken
Tested Application	WB
Contents	200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA
Immunogen	Polypeptide
Concentration	200ug/ml
Purification	Ascites
Observed MW	60 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.6 months 2 to 8°C after reconstitution.Avoid repeated freezing and thawing.

Background Information

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.

Reference

Anti-AKT1 Antibody (Clone#PKB-175)被引用在14文献中。

Selected Validation Data

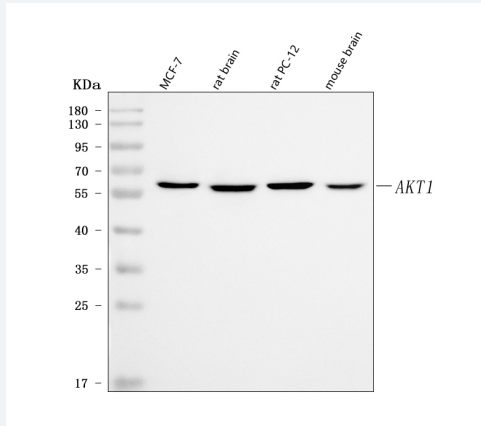


Figure 1. Western blot analysis of anti- AKT1 antibody (BM1612). The sample well of each lane was loaded with 30ug of sample under reducing conditions.

Lane 1: human MCF-7 whole cell lysates,

Lane 2: rat brain tissue lysates,

Lane 3: rat PC-12 whole cell lysates,

Lane 4: mouse brain tissue lysates.

Use mouse anti- AKT1 1:1000, probed with a goat anti- mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1001). A specific band was detected for AKT1 at approximately 60KD. The expected band size for AKT1 is at 60KD.