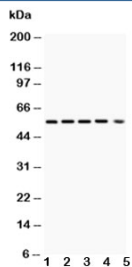


Akt1 Antibody [clone PKB-175] (R30075)

Catalog No.	Formulation	Size
R30075	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Chicken
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PKB-175
Purity	Ascites
Gene ID	207
Applications	Western Blot : 0.25-0.5ug/ml
Limitations	This Akt1 antibody is available for research use only.



Western blot testing of Akt1 antibody and Lane 1: rat ovary; 2: (r) PC-12; 3: human A549; 4: (h) MCF-7; 5: mouse HEPA lysate; Predicted size: 56 kDa; Observed size: 56 kDa.

Description

PKB alpha also known as V-AKT murine thymoma viral 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. The gene is mapped to chromosome 14q32.3. The protein is critical for ischemic and VEGF-mediated angiogenesis. It regulates pathological angiogenesis, vascular maturation and permeability in vivo.

For a microarray-validated AKT1 antibody supporting high-specificity detection, see our [AKT1 antibody \(clone](#)

[AKT1/2552](#)).

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Akt1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 461-477 of human PKB alpha/Akt1 were used as the immunogen for this Akt1 antibody.

Storage

After reconstitution, the Akt1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.