
Product Name: Phospho-AKT1 (Ser124) Rabbit Monoclonal Antibody**Catalog #: AMRe87429**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IP 1:50-1:200
Molecular Weight	Calculated MW:56 kDa; Observed MW:56 kDa

Antigen Information

Gene Name	Phospho-AKT1
Alternative Names	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
Gene ID	207
SwissProt ID	P31749
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser124 of human AKT1

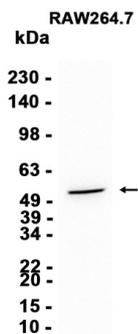
Background

The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and

specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Mutations in this gene have been associated with the Proteus syndrome. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011]

Research Area

Image Data



Western blot analysis of extracts from RAW264.7 cells using Phospho-AKT1 (Ser124) Rabbit Monoclonal Antibody at 1:1000.