
Cat#: C0933www.dia-an.cn**Anti-AKT Rabbit PAb**

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Only For Research. Not For Diagnosis.

Synonyms:	AKT, AKT1, AKT2, AKT3, PKB, PKB ALPHA, PRKBA
Attribute:	Rabbit Polyclonal Antibody
Isotype:	IgG
Purity:	Antigen Affinity Purification
Application:	ELISA, WB, IP, IF
Calculated MW:	58kDa
Observed MW:	58kDa
Reactivity:	irideus
Buffer:	PBS with 0.1% sodium azide and 50% glycerol, pH 7.2
Storage:	Store at -20°C. Do not aliquot
Recommended Dilution:	WB: 1:1000

Background:

The serine-threonine protein kinase AKT1 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.