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AKT1 Polyclonal Antibody

Cat #: G-AB-00022

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
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.

Gene ID:

Accession #: BC000479

Immunogen: Recombinant Human RAC-alpha serine/threonine-protein kinase protein

Conjugation: Unconjugated

Swissprot: P31749

Calculated Molecular Weight:

Observed Molecular Weight:

Concentration: 2 mg/mL

Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Purification Method: Affinity purification

Application: IHC

Dilution: IHC 1:50-1:100

Storage: Store at -20°C. Avoid freeze / thaw cycles.