AKT1 monoclonal antibody

Catalog: MB62088 Host: Mouse Reactivity: Human, Mouse, Rat

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. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

Product:

PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Molecular Weight:

55.5 kDa(Predicted)

Swiss-Prot:

P31749

Purification&Purity:

Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)

Applications:

WB 1:500~2000, IF 1:100

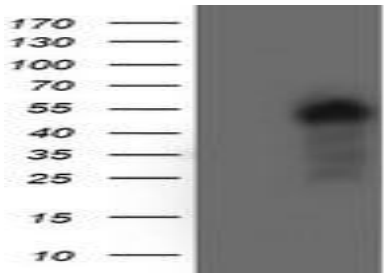
Storage&Stability:

PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Specificity:

AKT serine/threonine kinase 1

DATA:



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-AKT1 monoclonal antibody.

Note:

For research use only, not for use in diagnostic procedure.

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