

PRODUCT DATA SHEET



Bioworld Technology, Inc.

AKT1 pAb

Cat No.: AP0059

Host: Rabbit

Reactivity: Human

BACKGROUND

The serine threonine protein kinase encoded by the AKT 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. 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 (referenced from entrez gene).

PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight

~56.0 kDa

PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

APPLICATIONS

WB:1:500-1:1000 (Recommended Dilutions)

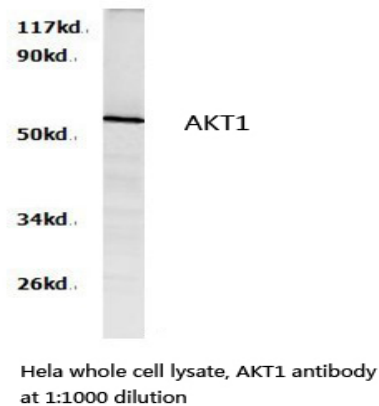
STORAGE & STABILITY

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

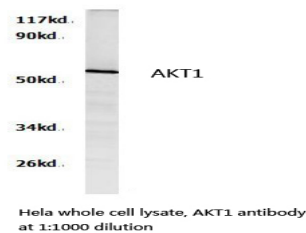
SPECIFICITY

AKT1 pAb pAb detects endogenous levels of AKT1 protein.

DATA



Western blot (WB) analyzes of AKT1 pAb in extracts from hela cells



RESEARCH USE

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

Bioworld Technology, Inc.

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