

# Phospho-AKT1-T308+AKT2-T309+AKT3-T305 Rabbit pAb

Catalog No.: AP1266 **2 Publications**

## Basic Information

**Observed MW**

60kDa

**Calculated MW**

48kDa/55kDa/51kDa/54kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-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. 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]

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

**Gene ID**

207/208/10000

**Swiss Prot**

P31749/P31751/Q9Y243

**Immunogen**

A synthetic phosphorylated peptide around T308 of human AktAKT1 (NP\_005154.2).

**Synonyms**

AKT1/AKT2/AKT3; Phospho-AKT1-T308+AKT2-T309+AKT3-T305

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

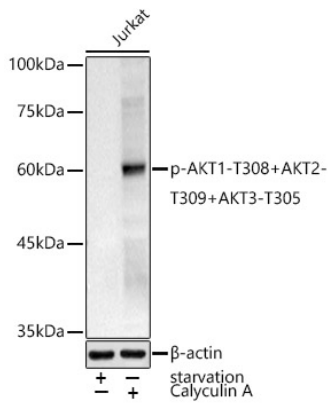
Affinity purification

**Storage**

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

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of lysates from Jurkat cells, using Phospho-AKT1-T308+AKT2-T309+AKT3-T305 Rabbit pAb (AP1266) at 1:1000 dilution. Jurkat cells were treated by Serum-starvation overnight at 37°C. Jurkat cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.