## **AKT1 Rabbit Monoclonal Antibody**



## **CAB17909**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

60kDa

Calculated MW:

56kDa

**Applications:** 

WB IHC IF

Human, Mouse, Rat

Reactivity:

**Antibody Information** 

**Recommended dilutions:** 

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype: IgG

**Protein 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]

Immunogen information

Gene ID:

207

Uniprot P31749

Synonyms:

AKT; CWS6; PKB; PKB-ALPHA; PRKBA; RAC; RAC-ALPHA; AKT1

Immunogen:

A synthesized peptide derived from human AKT1

Storage:

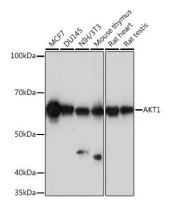
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

**Purification:** 

Affinity purification

## **Product Images**



Western blot - AKT1 Rabbit mAb (CAB17909)