

Summary

Production Name	AKT1/2 Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, IHC-P, ICC/IF, FC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	AKT1/2
Alternative Names	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
Gene ID	207
SwissProt ID	P31749.

Application

Dilution Ratio	WB: 1:1000 IHC-P: 1:100 ICC/IF: 1:200-1:500 FC: 1:100-1:200
Molecular Weight	Calculated MW:56 kDa; Observed MW:56 kDa

Background

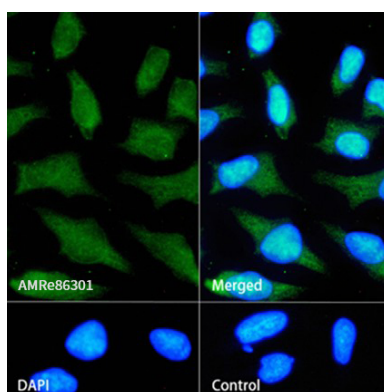
Product Name: AKT1/2 Rabbit Monoclonal Antibody
Catalog #: AMRe86301



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]

Research Area

Image Data



Immunofluorescence analysis of HeLa cells labelling AKT1/2 with AMRe86301.

Note

For research use only.