AKT1/3 Recombinant antibody

Cat:B35003D

Company： HaoKebio

Uniprot ID:P31749

Organism: Rabbit

Species reactivity: Human Mouse Rat

Molecular Weight Calculation: 56 kDa

Observed Molecular Weight: 56 kDa

Applications: IHC:1:50-1:200

IHC-Polymer:1:200-1:800

IHC-TSA:1:250-1:1000

WB:1:1000

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.

Protein full name:

AKT1/3

Synonyms:

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

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm,Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

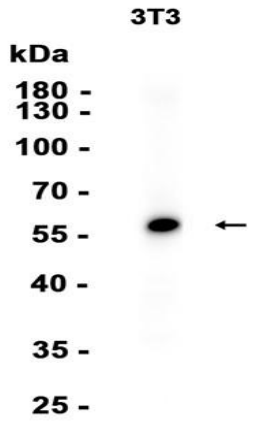
Storage:

Store at -20 ℃ for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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发表[英文论文]请标注:AKT1/3(B35003D) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.