AKT1-Specific Recombinant antibody

Cat:B36065S

Company： HaoKebio

Uniprot ID:P31749

Organism: Rabbit

Species reactivity: Human Mouse Rat

Molecular Weight Calculation: 56 kDa

Observed Molecular Weight: 56-62 kDa

Applications: IHC:1:500-1:2000

IHC-Polymer:1:2000-1:8000

IHC-TSA:1:2500-1:10000

IF:1:50-1:100

WB:1:5000-1:50000

IP:1ug for 1mg of total protein lysate

FC:1:100-1:500

Background:

The serine-threonine protein kinase AKT1 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.

Synonyms:

AKT, AKT 1, AKT1, 5O9, EC:2.7.11.1

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.

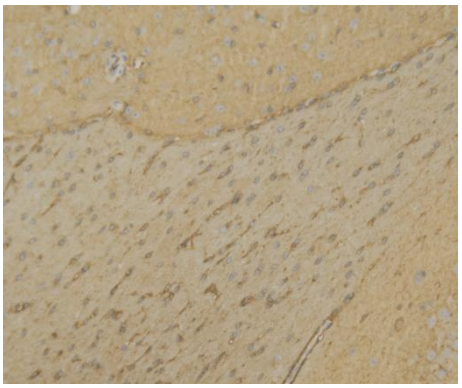
Storage:

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:



Sample: Mouse brain, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:AKT1-Specific(B36065S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:AKT1-Specific(B36065S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.