

AKT1(E49K)

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货号: 26137

规格: 100 μ l

基因符号: AKT1; AKT; CWS6; PKB; PKB-ALPHA; PRKBA; RAC; RAC-ALPHA

描述: AKT1(E49K) 小鼠单克隆抗体

背景: AKT1 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinases, which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. Its function is mediated through serine and/or threonine phosphorylation of a range of downstream substrates. There are evidences that mutation or abnormal expression in AKT1 is associated with cancers.

免疫原: A synthetic peptide from the internal region of AKT1 which includes the mutation of E49K, human origin.

经过测试的应用: ELISA, WB, IHC

推荐稀释度:

ELISA: 1:1000-1:5000

WB: 1:500-1:2000

IHC: 1:50-1:100

浓度: 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG

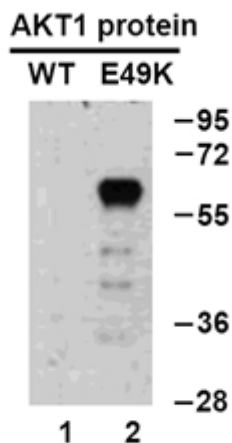
纯化:: Purified from ascites

Preservative: No

成分: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

种属反应性: Recognizes E49K mutant, but not wild type AKT1 of vertebrates.

储存条件:: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

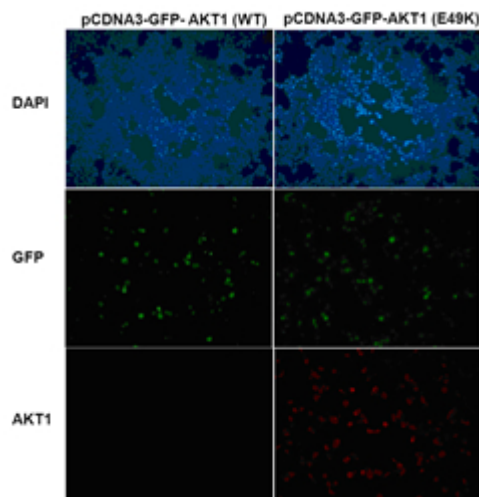


WB: Anti- AKT1 (E49K) mAb

Western blot:

Western blot analysis of recombinant AKT1(E49K) and wild type proteins.

Purified His-tagged AKT1(E49K) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with AKT1(E49K) monoclonal antibody (货号26137).



Immunofluorescence:

Immunofluorescence of cells expressing AKT1 proteins with AKT1(E49K) antibody.

HEK293T cells were transfected with pCDNA3-GFP-AKT1 (WT) plasmid (left column) or pCDNA3-GFP-AKT1(E49K) plasmid (right column), then fixed and stained with AKT1(E49K) monoclonal antibody (货号26137).