

AKT RABBIT MAB

货号: N261810

产品全名: AKT 兔单克隆抗体

基因符号 MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma;
RAC-PK-gamma

UNIPROT ID: Q9Y243

背景: AKT3 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. This is mediated through serine and/or threonine phosphorylation of a range of downstream substrates. Over 100 substrate candidates have been reported so far, but for most of them, no isoform specificity has been reported. AKT3 is the least studied AKT isoform. It plays an important role in brain development and is crucial for the viability of malignant glioma cells. AKT3 isoform may also be the key molecule in up-regulation and down-regulation of MMP13 via IL13. Required for the coordination of mitochondrial biogenesis with growth factor-induced increases in cellular energy demands. Down-regulation by RNA interference reduces the expression of the phosphorylated form of BAD, resulting in the induction of caspase-dependent apoptosis.

抗原: A synthetic peptide of human AKT1/2/3

经过测试的应用: WB, ICC/IF

推荐稀释比: WB: 1/500-1/1000 IF: 1/50-1/200

种属反应性: Rabbit

克隆性: Rabbit Monoclonal

克隆编号: R08-8F1

分子量: Calculated MW: 56 kDa; Observed MW: 56 kDa

亚型: IgG

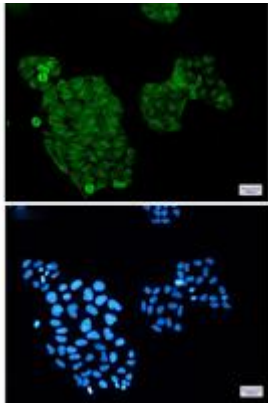
纯化: Affinity Purified

种属反应性: Human, Mouse and Rat

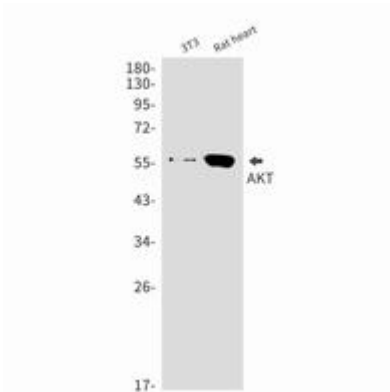
成分: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

研究领域: apoptosis - Bcl-2 family

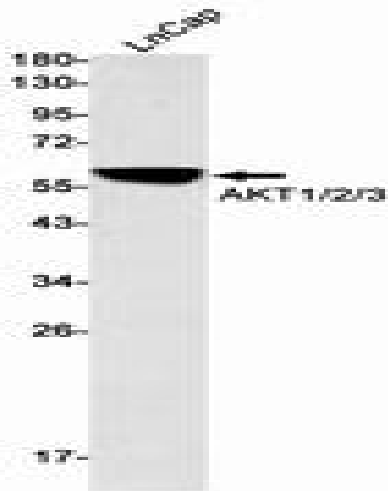
储存和运输: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of AKT1/2/3 (green) in Hela using AKT antibody, and DAPI (blue)



Western blot analysis of AKT in 3T3, rat heart lysates using AKT antibody.



Western blot analysis of AKT1/2/3 in LnCap lysates using AKT antibody.