



AKT多克隆抗体

AKT polyclonal antibody

货号: QS04125 宿主: 兔
Catalog: QS04125 Host: Rabbit

反应物种: 人, 小鼠, 大鼠
Reactivity: Human, Mouse, Rat

研究背景 Background:

AKT, 也称为蛋白激酶 B (PKB), 是一种 57 kDa 的丝氨酸/苏氨酸蛋白激酶。Akt 有三种哺乳动物亚型: AKT1 (PKB α)、AKT2 (PKB β) 和 AKT3 (PKB γ), 其中 AKT2 和 AKT3 与 AKT1 亚型约 82% 相同。每种亚型都有一个普列克底物蛋白同源 (PH) 结构域、一个激酶结构域和一个羧基末端调节结构域。AKT 最初是从逆转录病毒 AKT8 克隆而来的, 是许多信号转导通路的关键调节因子。它对细胞增殖和细胞活力的严格控制是多方面的; AKT 的过表达或不适当激活已见于许多类型的癌症。

AKT, also known as protein kinase B (PKB), is a 57 kDa serine/threonine protein kinase. There are three mammalian isoforms of Akt: AKT1 (PKB alpha), AKT2 (PKB beta) and AKT3 (PKB gamma) with AKT2 and AKT3 being approximately 82% identical with the AKT1 isoform. Each isoform has a pleckstrin homology (PH) domain, a kinase domain and a carboxy terminal regulatory domain. AKT was originally cloned from the retrovirus AKT8, and is a key regulator of many signal transduction pathways. Its tight control over cell proliferation and cell viability are manifold; overexpression or inappropriate activation of AKT has been seen in many types of cancer.

产品 Product:

兔IgG, 1mg/mL的PBS溶液 (含0.02%叠氮化钠, 50%甘油, pH7.2)。
Rabbit IgG, 1mg/mL in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

分子量 Molecular Weight:

~60 kDa

Swiss-Prot:

P31749/P31751/Q9Y243

提纯和纯度 Purification & Purity:

使用表位特异性免疫原通过亲和层析从兔抗血清中亲和纯化该抗体, 纯度 >95% (SDS-PAGE)。

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

应用 Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IP: 1:50~1:200

IF: 1:50~1:200

存储和稳定性 Storage & Stability:

在 4° C 下短期储存。分装并在 -20° C 下长期储存。避免反复冻融。

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

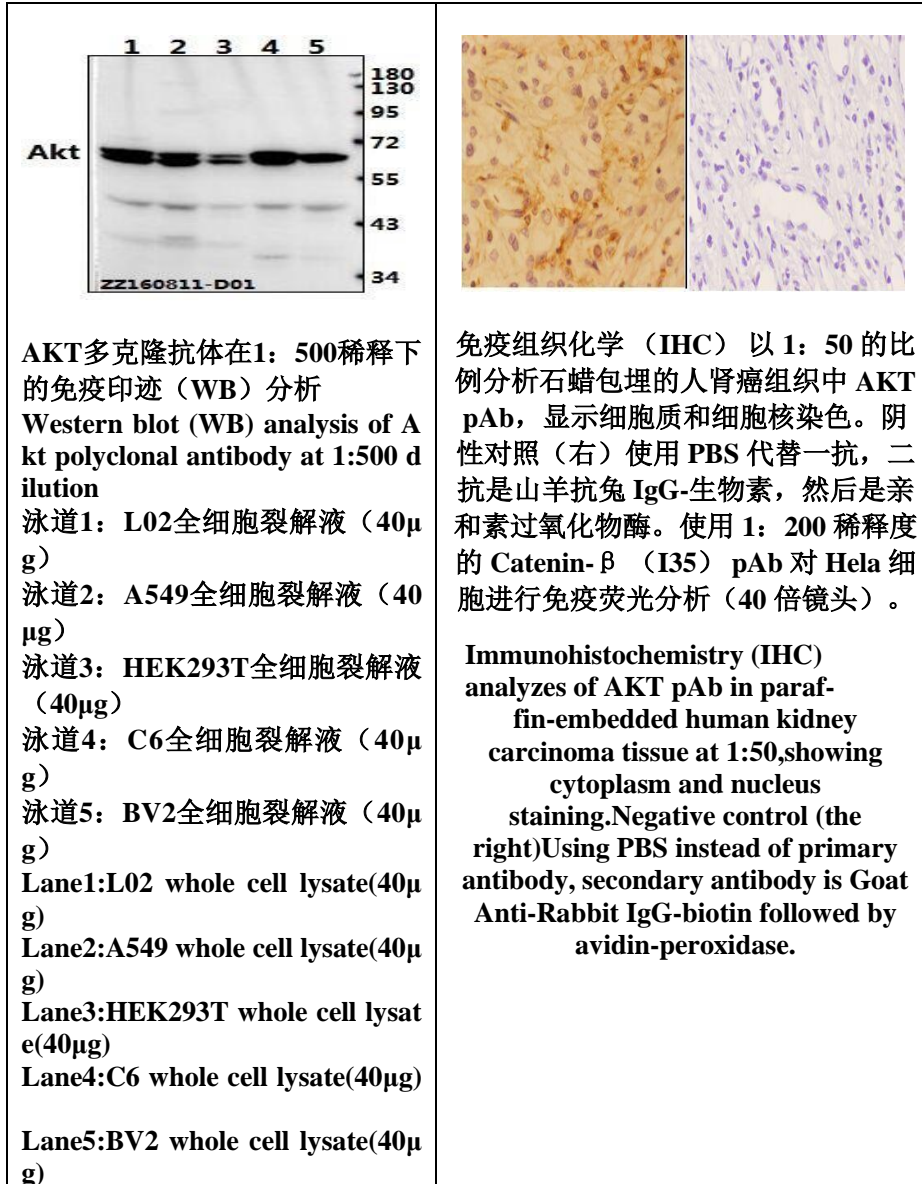


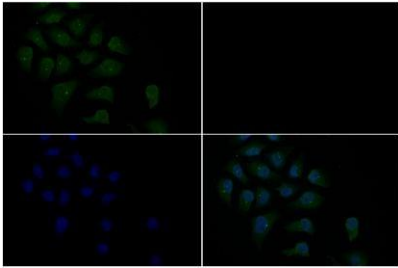
特异性 Specificity:

AKT多克隆抗体检测内源性总AKT蛋白水平。

AKT polyclonal antibody detects endogenous levels of total AKT protein.

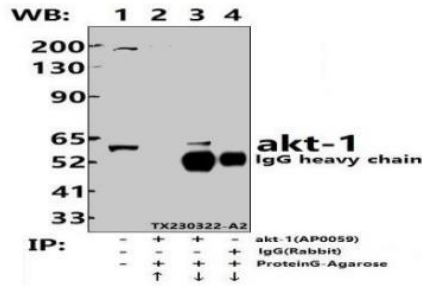
数据 DATA:





使用Akt多克隆抗体稀释1: 200后对A549细胞进行免疫荧光分析。

Immunofluorescence analysis of A549 cells using Akt polyclonal antibody at dilution of 1:200.



使用 AKT pAb (琼脂糖珠偶联物) #BD0048 (泳道 2 和泳道 3) 和非特异性 IgG 对照 (琼脂糖珠偶联物) #BD0048 (泳道 4) 对 A549 细胞裂解物进行免疫沉淀。泳道 1 为 30% 输入。使用 AKT pab 探测蛋白质印迹。

Immunoprecipitation of A549 cell lysates using AKT pAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using AKT pAb.

备注 Note:

仅供研究使用，不得用于诊断实验。

For research use only, not for use in diagnostic procedure.