

AKT(10D6)Mouse Monoclonal Antibody

Catalog# UZ-PA00505

Product information

产品货号	UZ-PA00505
别名	AKT1;AKT2;AKT3
产品名称	AKT(10D6)Mouse Monoclonal Antibody
类别	抗体产品
基因名称	AKT1
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,IP
反应种属	Human,Mouse,Rat,Drosophila
存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N .
Human Gene ID	207
Human Swissprot No.	P31749
免疫原	Synthetic Peptide of human AKT at AA range of human 400-480 AA range: 370-477
稀释度	WB 1:1000-2000, IHC-P 1:100-200, IF-P/IF-F/IF-ICC 1:50-200
预测分子量	56kDa
运输及保存条件	-20°C/1 year
宿主	Mouse
背景介绍	The serine-threonine protein kinase encoded by the AKT1 gene is catalytically in active in serum-starved primary and immortalized fibroblasts. AKT1 and the relat ed 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 fa ctor-induced neuronal survival. Survival factors can suppress apoptosis in a tra nscription-independent manner by activating the serine/threonine kinase AKT1, wh ich then phosphorylates and inactivates components of the apoptotic machinery. M utations in this gene have been associated with the Proteus syndrome. Multiple al ternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011]
细胞定位	Cytoplasm . Nucleus . Cell membrane . Nucleus after activation by integrin-linked protein kinase 1 (ILK1). Nuclear translocation is enhanced by interaction with T CL1A. Phosphorylation on Tyr-176 by TNK2 results in its localization to the cell membrane where it is targeted for further phosphorylations on Thr-308 and Ser-4 73 leading to its activation and the activated form translocates to the nucleus. Colocalizes with WDFY2 in intracellular vesicles (PubMed:16792529). .
纯化	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clonality	Monoclonal