

AKT1 Monoclonal Antibody

Catalog Number:E-AB-22240



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

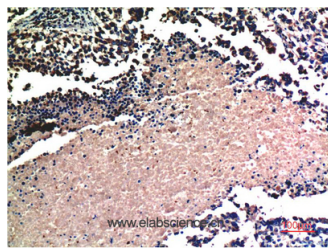
Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide of AKT
Host	Mouse
Isotype	IgG
Clone	Clone:1E11
Purification	Protein A purification
Conjugation	AKT Mouse Monoclonal Antibody
Formulation	PBS with 0.02% sodium azide,0.5% BSA and 50% glycerol pH 7.4.

Applications

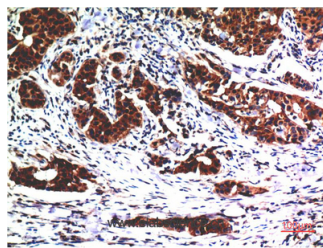
Recommended Dilution

IHC 1:100-200

Data



Immunohistochemistry of paraffin-embedded Human lung carcinoma tissue using AKT1 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue using AKT1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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.

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