

## AKT monoclonal antibody

Catalog: MB10510

Host: Rabbit

Reactivity: Human, Mouse, Rat, Hamster

### BackGround:

Akt, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. This protein kinase is activated by insulin and various growth and survival factors to function in a wortmannin-sensitive pathway involving PI3 kinase. Akt is activated by phospholipid binding and activation loop phosphorylation at Thr308 by PDK1 and by phosphorylation within the carboxy terminus at Ser473.

### Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 56 kDa; Observed MW: 56 kDa

### Swiss-Prot:

P31749/P31751/Q9Y243

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200  
IP: 1/20

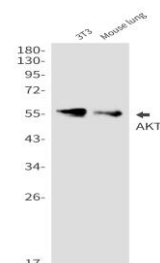
### Storage&Stability:

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

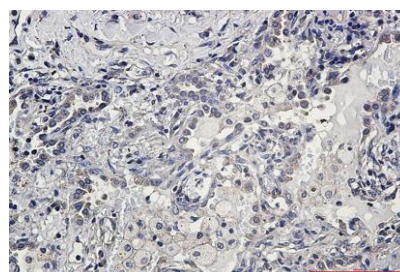
### Isotype:

IgG

### DATA:



Western blot analysis of AKT in 3T3, mouse lung lysates using AKT antibody.



Western blot analysis of AKT1/2/3 in Jurkat, rat Brain, C6, CHO-K1, Hela lysates using AKT antibody.

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using AKT1/2/3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

### Note:

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

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