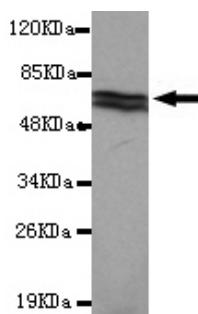




## AKT1 Antibody

**E220062**

<b>Catalog Number</b>	E220062-1, E220062-2
<b>Amount</b>	50µg/50µl, 100µg/100µl
<b>Description</b>	Mouse monoclonal IgG to AKT1
<b>GeneBank ID</b>	NM_001014432.1
<b>Immunogen</b>	Recombinant fragment of Human AKT1 (C-terminus).
<b>Reacts with</b>	Hu
<b>Tested applications</b>	Recommended dilutions. ELISA: 1/5000 - 1/20000. WB: 1/100-1/2000.
<b>Cellular localization</b>	cytoplasm
<b>Relevance</b>	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. Akt promotes cell survival by inhibiting apoptosis by phosphorylating and inactivating several targets. LY294002 is a specific PI3 kinase inhibitor.
<b>Purity</b>	Protein G-Sepharose affinity purified
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide and 50% glycerol, 1% BSA, PBS, pH7.4.
<b>Form</b>	Liquid
<b>Storage instructions</b>	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.



AKT1 antibody (E220062) at 1/1000 dilution. K562 whole cell lysate 40ug/Lane. Predicted band size: 56kDa. Observed band size: 65kDa.

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