Product Name: AKT Mouse Monoclonal Antibody
Catalog #: AMM03644

Summary

Production Name	AKT Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	AKT1/AKT2/AKT3
Alternative Names	AKT1
Gene ID	207/208/10000
SwissProt ID	P31749/P31751/Q9Y243.

Application

Dilution Ratio	WB: 1:500-1:1000 IP: 1:20
Molecular Weight	Calculated MW: 56 kDa; Observed MW: 60 kDa

Background

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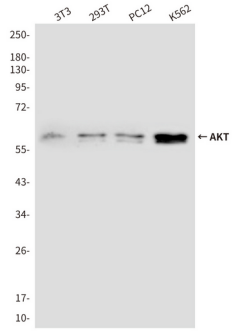
Akt, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. This protein kinase is activated by insulin and various growth and survival factors to function in a wortmannin-sensitive pathway involving PI3 kinase. Akt is activated by phospholipid binding and activation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

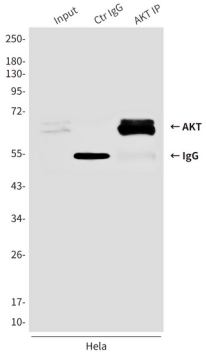
Research Area

Signal Transduction

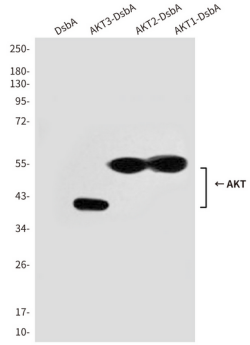
Image Data



Western blot analysis of total AKT in 3T3, 293T, PC-12 and K562 lysates using AKT(pan) antibody.



Immunoprecipitation analysis of AKT in Hela lysates using AKT(pan) antibody.



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Western blot analysis of AKT1, AKT2, AKT3 and DSBA recombinant antigen using DSBA antibody,and(Right)AKT1, AKT2 and AKT3 recombinant antigen fragments using AKT(pan) antibody.

Note

For research use only.