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**Product Name: AKT Rabbit Polyclonal Antibody****Catalog #: APRab01335**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,FC 1:50-1:100,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 56 kDa; Observed MW: 56 kDa

**Antigen Information**

<b>Gene Name</b>	AKT1/AKT2/AKT3
<b>Alternative Names</b>	AKT1
<b>Gene ID</b>	207/208/10000
<b>SwissProt ID</b>	P31749/P31751/Q9Y243
<b>Immunogen</b>	

**Background**

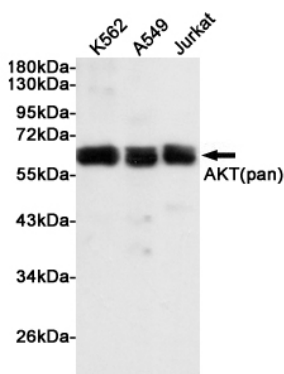
Akt, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. This protein kinase is activated by insulin and various growth and survival factors to function in a wortmannin-sensitive pathway involving PI3 kinase. Akt is

activated by phospholipid binding and activation loop phosphorylation at Thr308 by PDK1 and by phosphorylation within the carboxy terminus at Ser473.

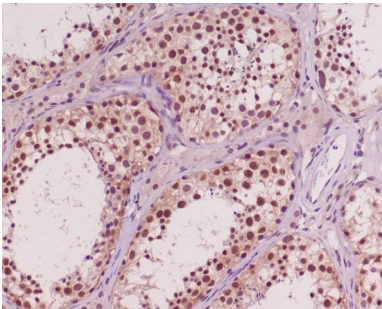
## Research Area

Signal Transduction

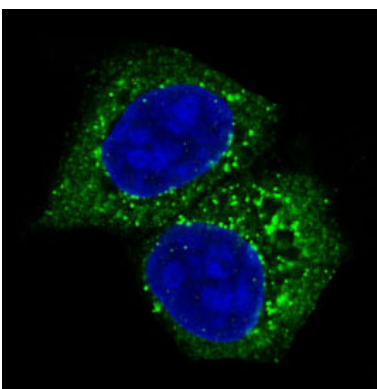
## Image Data



Western blot analysis of AKT in K562, A549 and Jurkat lysates using AKT antibody.



Immunohistochemistry analysis of paraffin-embedded Human testis using AKT antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescence analysis of AKT in MCF-7 using AKT antibody.