

# AKT1/2/3 Antibody



Catalog No: T55561

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC

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400-6123-828

## Information

**UniProt ID:** P31749/P31751/Q9Y243

**All Names:**PKB;RAC;PRKBA;PKB-ALPHA;RAC-ALPHA; AKT1 ; AKT2; AKT3;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

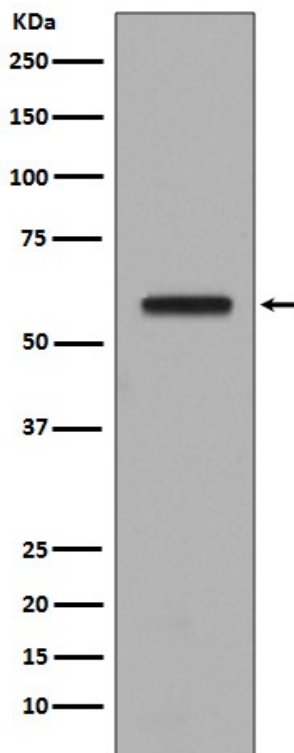
**Molecular Wt.:** 56kDa

## Application

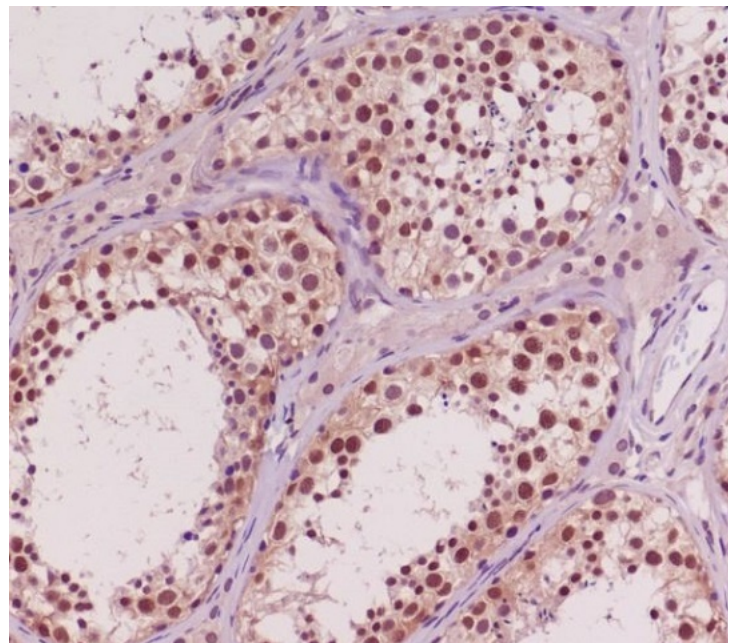
WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50

## Background

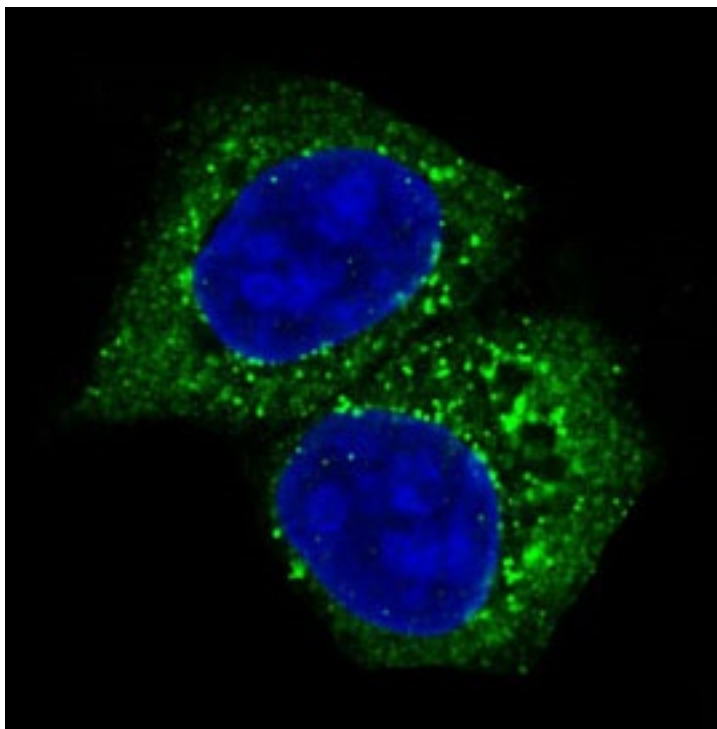
Akt, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. This protein kinase is activated by insulin and various growth and survival factors to function in a wortmannin-sensitive pathway involving PI3 kinase. Akt is activated by phospholipid binding and activation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



Western blot analysis of AKT1/2/3 expression in A549 cell lysate.



Immunohistochemical analysis of paraffin-embedded human testis, using AKT1/2/3 Antibody.



Immunofluorescent analysis of MCF-7 cells, using AKT1/2/3 Antibody.