

Product Datasheet

AKT1 + AKT2 + AKT3 Antibody

Catalog No: CY5425

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC



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Information

UniProt ID: P31749/P31751/Q9Y243

All Names: PKB;RAC;PRKBA;PKB-ALPHA;RAC-ALPHA; AKT1 ; AKT2; AKT3; Akt1/2/3; pan Akt;

Form: Liquid

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

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 56 kDa

Application

WB 1:500~1:2000

IHC 1:50~1:100

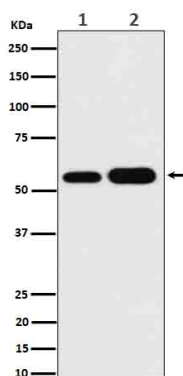
ICC/IF 1:50~1:100

IP 1:50

FC 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 + AKT2 + AKT3 expression in (1) Hela cell lysate;(2) A549 cell lysate.

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