

30-2672: Anti-AKT1 Antibody(Discontinued)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	AKT1
Gene ID :	207
Format :	Purified
Alternative Name :	RAC-PK-alpha, Protein kinase B, PKB,AKT serine/threonine kinase 1
Isotype :	Rabbit IgG
Immunogen Information :	Synthetic peptide (coupled with KLH) derived from aminoacid sequence 85-100 of human Akt1. This immunogen sequence has 100% homology with mouse and rat Akt1/PKB.

Description

Serine/threonine protein kinase Akt/PKB (Protein Kinase B) plays important roles in cell growth, metabolism, proliferation and survival. Upon extracellular stimulus that leads to activation of phosphatidylinositol 3-kinase (PI3K), Akt is recruited from the cytosol to the plasma membrane through binding 3^ophosphoinositides and is phosphorylated. Active Akt dissociates from the plasma membrane to gain access to various substrates in different subcellular locations by translocating to cytosol and nucleus.

Specificity : The polyclonal antibody reacts with Akt1 (intracellular antigen; recognized epitope between aa 85-100). Akt/PKB protein kinases family has a three mammalian members identified to date (Akt1, Akt2, Akt3). Human Akt1 has a predicted molecular weight of 55.7 kDa.

Product Info

Amount :	0.05 mg
Purification :	Purified from rabbit serum by affinity chromatography
Content :	1 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.