

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 3rd phosphoinositides 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
	1 mg/ml
Content :	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.