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TriMethyl-AKT-K64 Rabbit pAb

Catalog No.: A26004

Basic Information

Observed MW

Calculated MW
56kDa

Category
Primary antibody

Applications

Cross-Reactivity
Human

Background

Human AKT serine-threonine protein kinase family includes three members AKT1,AKT2, AKT3, which are also often referred to as protein kinase B alpha, beta, and gamma. These highly similar AKT proteins all have an N-terminal pleckstrin homology domain, a serine/threonine-specific kinase domain and a C-terminal regulatory domain. These proteins are phosphorylated by phosphoinositide 3-kinase (PI3K). AKT/PI3K forms a key component of many signalling pathways that involve the binding of membrane-bound ligands such as receptor tyrosine kinases, G-protein coupled receptors, and integrin-linked kinase. These AKT proteins therefore regulate a wide variety of cellular functions including cell proliferation, survival, metabolism, and angiogenesis in both normal and malignant cells. AKT proteins are recruited to the cell membrane by phosphatidylinositol 3,4,5-trisphosphate (PIP3) after phosphorylation of phosphatidylinositol 4,5-bisphosphate (PIP2) by PI3K. Subsequent phosphorylation of both threonine residue 308 and serine residue 473 is required for full activation of the AKT1 protein encoded by this gen

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
207

Swiss Prot
P31749

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
AKT; PKB; RAC; PRKBA; PKB-ALPHA; RAC-ALPHA; AKT1;AKT2 ; AKT3

Contact

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Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.