

Recombinant Human AKT2 (N-His tag)

Cat No:HR2R1132

For research use only

Overview

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| Quantity | 10 ?g |
| Gene Symbol | AKT2/PKB beta |
| Gene ID | N/A |
| Accession | NM_001626 |
| Alternative Name | PRKBB; PKKBETA; RAC-BETA |
| Species | Human |
| Source | Insect cells |
| Description | AKT2 or Protein Kinase B ? (PKB?) is a serine/threonine kinase that is a member of the AKT family. AKT2 like the other AKT members is activated in cells in response to diverse stimuli such as hormones, growth factors and extracellular matrix components and is involved in glucose metabolism, transcription, survival, cell proliferation, angiogenesis, and cell motility. The PI3K generates phosphatidylinositol-3,4,5-trisphosphate (PIP3), a lipid second messenger essential for the translocation of AKT2 to the plasma membrane where it is phosphorylated and activated by phosphoinositide-dependent kinase-1 (PDK-1). |
| Functions | The specific activity of AKT2 was determined to be 44 nmol /min/mg as per activity assay protocol. |
| Formulation | 50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol. |
| Solubility | N/A |
| Appearance | Liquid |
| Molecular Weight | 58 |
| Purity | 70% - 90% |
| Concentration | |
| Shipping Condition | Dry Ice |
| Storage Condition | Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |