

Recombinant Human AKT2 protein, Flag-tagged, Biotinylated

Cat. No. AKT2-31H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKT2, catalytic domain [120-481(end) amino acids of accession number NP_001617.1] fused with DYKDDDDK tag at N-terminal was expressed in insect cell and biotinylated.
Species	Human
Source	Insect Cells
ProteinLength	120-481 a.a.
Form	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Molecular Mass	45 kDa
Purity	>95% as determined by SDS-PAGE and CBB staining
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Conjugation	Biotin

GENE INFORMATION

Gene Name	AKT2 v-akt murine thymoma viral oncogene homolog 2 [Homo sapiens]
Official Symbol	AKT2

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Synonyms	AKT2; PKB beta; RAC-PK-beta;PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA;
Gene ID	208
mRNA Refseq	NM_001243027
Protein Refseq	NP_001229956
MIM	164731
UniProt ID	P31751
Chromosome Location	19q13.1-q13.2
Pathway	AKT phosphorylates targets in the cytosol, organism-specific biosystem; AKT phosphorylates targets in the nucleus, organism-specific biosystem; AKT-mediated inactivation of FOXO1A, organism-specific biosystem; Activation of PKB, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem;
Function	ATP binding; ATP binding; kinase activity; nucleotide binding; protein binding; protein kinase C binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;