

Rabbit Anti-AKT2 Polyclonal Antibody

CPB-685RH Rabbit(AKT2)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-AKT2 Polyclonal Antibody
Antigen Description	General protein kinase capable of phosphorylating several known proteins.
specificity	The antibody detects endogenous level of AKT2 only when phosphorylated at serine474.
Target	AKT2
Immunogen	Peptide sequence around phosphorylation site of serine (Q-F-S(p)-Y-S) derived from Human AKT2.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA, WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	AKT2 v-akt murine thymoma viral oncogene homolog 2 [Homo sapiens]
Official Symbol	AKT2
Synonyms	AKT2; v-akt murine thymoma viral oncogene homolog 2; RAC-beta serine/threonine-protein kinase; PKB beta; RAC-PK-beta; protein kinase Akt-2; protein kinase B beta; rac protein kinase beta; murine thymoma viral (v-akt) homolog-2; PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA;
GeneID	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;