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Protein Kinase B

National Cancer Institute

Source

National Cancer Institute. *Protein Kinase B*. NCI Thesaurus. Code C41625.

Expressed in diverse tissues, Protein Kinase B (AKT /RAC Family) is a group (Alpha, Beta and Gamma) of cytoplasmic serine/threonine enzymes that covalently transfer the terminal, gamma phosphate group from ATP to a variety of substrate proteins and regulate cell signaling responses to insulin, PDGF, and IGF1 (through PI3K) involved in cell survival, cell proliferation, differentiation, apoptosis, glycogen synthesis, and glucose uptake.