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Oncogenes, Protein-Kinase

National Cancer Institute

Source

National Cancer Institute. *Oncogenes, Protein-Kinase*. NCI Thesaurus. Code C18343.

Human Protein-Kinase Oncogenes are mutated variants of Kinase Family Genes, which encode diverse Protein Kinases. Protein kinase enzymes catalyze the conversion of a protein to a phosphoprotein by covalently transferring the terminal, gamma phosphate group from ATP to a variety of substrates that typically play key regulatory roles in diverse cellular functions. Protein-Kinase oncogenes disrupt normal cell function.