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SRC Family Oncogene

National Cancer Institute

Source

National Cancer Institute. *SRC Family Oncogene*. NCI Thesaurus. Code C18540.

Human SRC Family Oncogenes are mutated variants of Tyrosine Kinase Family Genes, which encode diverse SRC Family Tyrosine Kinases, closely related intracellular non-receptor protein-tyrosine kinases with amino acid sequence similarity to SRC and to Rous sarcoma virus oncogene protein PP60(V-SRC). SRC tyrosine kinases interact with diverse cell-surface receptors and participate in intracellular signal transduction pathways in a variety of hematopoietic cells. Oncogenic SRC kinases can occur through altered regulation or expression of the endogenous protein and by virally encoded src (v-src) genes. SRC family oncogenes disrupt normal cell function.