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Oncogene MYCN

National Cancer Institute

Source

National Cancer Institute. *Oncogene MYCN*. NCI Thesaurus. Code C18444.

Human Oncogene NMYC is a mutated variant of NMYC Gene (MYC Family), which encodes two nuclear N-MYC Proteins from the same mRNA; both are phosphorylated, exceptionally unstable and bind to single- and double-stranded DNA. N-MYC is a likely heterodimeric bZIP transcription factor with MAX; efficient DNA binding requires dimerization with another bHLH protein. NMYC amplification is associated with oncogenic transformation. Oncogene NMYC disrupts normal cell function.