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Oncogene ABL1

National Cancer Institute

Source

National Cancer Institute. *Oncogene ABL1*. NCI Thesaurus. Code C17397.

Human v-abl Abelson murine leukemia viral oncogene homolog 1 (ABL1) gene, located at 9q34.1, encodes proto-oncogene tyrosine-protein kinase ABL1 protein. Alternative splicing of this gene produces two protein isoforms. A t(9;22) translocation, resulting in the fusion of the BCR and ABL1 genes, has been detected in many cases of chronic myelogenous leukemia.. This BCR-ABL fusion gene is also present in acute myeloid leukemia and acute lymphoblastic leukemia.