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BCR/ABL1 Fusion Gene with ABL1 NM_005157.4:c.764A>T Mutation

National Cancer Institute

Source

National Cancer Institute. *BCR/ABL1 Fusion Gene with ABL1 NM_005157.4:c.764A>T Mutation*. NCI Thesaurus. Code C131012.

A fusion gene that results from a translocation t(9;22)(q34;q11) that fuses the 5' part of the BCR gene to the 5' side of exon 2 of a mutated form of the ABL1 gene. In this fusion gene there is a point mutation where adenine has been substituted with thymine at nucleotide position 764 of the ABL1 gene. This mutation is associated with imatinib- and nilotinib-resistant leukemias.