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# BCR wt Allele

National Cancer Institute

## Source

National Cancer Institute. *BCR wt Allele*. NCI Thesaurus. Code C51193.

Human BCR wild-type allele is located in the vicinity of 22q11.23 and is approximately 138 kb in length. This allele, which encodes breakpoint cluster region protein, is involved in promoting the activating exchange of GTP for GDP bound by p21rac or CDC42. The BCR gene forms fusion genes with ABL1 or FGFR1 in chronic myeloid leukemia (CML) and with PDGFRA in a CML-like myeloproliferative disease. The BCR-ABL fusion gene is found in acute myeloid leukemia and acute lymphoblastic leukemia.