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BRAF wt Allele

National Cancer Institute

Source

National Cancer Institute. *BRAF wt Allele*. NCI Thesaurus. Code C51194.

Human BRAF wild-type allele is located within 7q34 and is approximately 190 kb in length. This allele, which encodes B-Raf proto-oncogene serine/threonine-protein kinase protein, plays a role in the transduction of mitogenic signals from the cell membrane to the nucleus. A specific activating somatic mutation in the BRAF gene is associated with several types of cancer such as colorectal and thyroid carcinomas and malignant melanoma.