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KRAS wt Allele

National Cancer Institute

Source

National Cancer Institute. *KRAS wt Allele*. NCI Thesaurus. Code C52546.

Human KRAS wild-type allele is located in the vicinity of 12p12.1 and is approximately 45 kb in length. This allele, which encodes GTPase KRas protein, plays a role in the modulation of both cellular proliferation and differentiation. Mutations in the gene are associated with juvenile myelomonocytic leukemia, Noonan syndrome 3 and cardiofaciocutaneous syndrome.