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NTRK1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *NTRK1 wt Allele*. NCI Thesaurus. Code C52179.

Human NTRK1 wild-type allele is located within 1q21-q22 and is approximately 21 kb in length. This allele, which encodes high affinity nerve growth factor receptor protein, is involved in cellular differentiation, signal transduction and may play a role in specifying sensory neuron subtypes. Defects in the gene have been associated with neuroblastomas and thyroid tumors. Further, mutations in the gene are associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and several other cancers.