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RANBP2 wt Allele

National Cancer Institute

Source

National Cancer Institute. *RANBP2 wt Allele*. NCI Thesaurus. Code C114453.

Human RANBP2 wild-type allele is located in the vicinity of 2q12.3 and is approximately 66 kb in length. This allele, which encodes E3 SUMO-protein ligase RanBP2 protein, plays a role in both nuclear transport and protein SUMOylation. Mutation of the gene is associated with acute infection-induced encephalopathy 3. A chromosomal translocation t(2;2)(p23;q13) involving this gene and the ALK gene is associated with both inflammatory myofibroblastic tumor and, more rarely, myeloproliferative disorders.