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# NPM1 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *NPM1 wt Allele*. NCI Thesaurus. Code C52487.

Human NPM1 wild-type allele is located in the vicinity of 5q35 and is approximately 24 kb in length. This allele, which encodes nucleophosmin protein, may be involved in the maintenance of ribosomal structure. Mutation of the gene is associated with acute myelogenous leukemia. This gene can be involved in at least three translocations, t(2;5)(p23;q35) with the ALK gene is associated with non-Hodgkin lymphoma, t(5;17)(q32;q11) with the RARA gene is linked to acute promyelocytic leukemia and t(3;5)(q25.1;q34) with the MLF1 gene is a factor in myelodysplastic syndrome.