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PCM1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *PCM1 wt Allele*. NCI Thesaurus. Code C97901.

Human PCM1 wild-type allele is located within 8p22-p21.3 and is approximately 107 kb in length. This allele, which encodes pericentriolar material 1 protein, plays a role in the regulation of centrosome formation. A chromosomal translocation t(8;10)(p21.3;q11.2) of this gene and the RET gene is associated with papillary thyroid carcinoma. A second translocation t(8;9)(p22;p24) of this gene and the JAK2 gene is found in a variety of hematological malignancies including atypical chronic myeloid leukemia and T-cell lymphoma.