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EPHX1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *EPHX1 wt Allele*. NCI Thesaurus. Code C49357.

Human EPHX1 wild-type allele is located in the vicinity of 1q42.1 and is approximately 35 kb in length. This allele, which encodes epoxide hydrolase 1 protein, is involved in the metabolism of both arene and aliphatic epoxides. Certain allelic variants of the EPHX1 gene confer susceptibility to lymphoproliferative disorders. Specific inherited defects in this gene also cause familial hypercholanemia. An EPHX1 low-activity genotype is associated with decreased risk of lung cancer.