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# CYP2E1\*2 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2E1\*2 Allele*. NCI Thesaurus. Code C46029.

Human CYP2E1\*2 allele is located within 10q24.3-qter and is approximately 12 kb in length. This allele, a variant form of the CYP2E1 wild-type allele, encodes cytochrome P450 2E1\*2 protein. The CYP2E1\*2 allele exhibits a clinically-relevant SNP (g.1132G>A) in exon 2 that results in a R76H coding change. This alteration in protein sequence severely decreases the enzymatic activity of the cytochrome P450 2E1\*2 protein.