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# WRN wt Allele

National Cancer Institute

## Source

National Cancer Institute. *WRN wt Allele*. NCI Thesaurus. Code C49413.

Human WRN wild-type allele is located within 8p12-p11.2 and is approximately 140 kb in length. This allele, which encodes Werner syndrome ATP-dependent helicase protein, is involved in the both the formation of DNA replication focal centers and the unwinding of single- and double-stranded DNA in a 3'-5' direction. Certain allelic variants of this gene cause Werner syndrome.