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POLB wt Allele

National Cancer Institute

Source

National Cancer Institute. POLB wt Allele. NCI Thesaurus. Code C51340.

Human POLB wild-type allele is located in the vicinity of 8p11.2 and is approximately 33 kb in length. This allele, which encodes DNA polymerase beta protein, plays a role in DNA base excision repair which entails gap-filling DNA synthesis in a stepwise, distributive fashion. Defects in the POLB gene are associated with certain forms of cancer such as cervical and esophageal cancer.