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HMGA1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *HMGA1 wt Allele*. NCI Thesaurus. Code C52074.

Human HMGA1 wild-type allele is located within 6p21 and is approximately 9 kb in length. This allele, which encodes high mobility group protein HMG-I/HMG-Y, is involved in chromatin remodeling, DNA-dependent transcriptional regulation and inhibition of tumor suppressor p53 protein-dependent apoptosis. The HMGA1 gene is overexpressed in certain types of cancer including breast carcinoma, colorectal cancer, non-small-cell lung carcinoma, epithelial ovarian carcinoma and thyroid cancer.