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# ADRB2 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *ADRB2 wt Allele*. NCI Thesaurus. Code C51430.

Human ADRB2 wild-type allele is located within 5q31-q32 and is approximately 2 kb in length. This allele, which encodes beta-2 adrenergic receptor protein, plays a role in the regulation of both calcium channel complex regulation and adenylyl cyclase activity. A variety of polymorphic forms of the gene are associated with nocturnal asthma, obesity and type 2 diabetes. These variants are frequently generated by point mutations and downregulation of the gene.