

[Open Peer Review on Qeios](#)

PRKCB wt Allele

National Cancer Institute

Source

National Cancer Institute. *PRKCB wt Allele*. NCI Thesaurus. Code C51272.

Human PRKCB1 wild-type allele is located in the vicinity of 16p11.2 and is approximately 384 kb in length. This allele, which encodes protein kinase C beta type protein, plays a role in the phosphorylation of many protein substrates in response to activation by calcium or the second messenger diacylglycerol. Certain allelic variants of the PRKCB1 gene are associated with susceptibility to diabetic nephropathy in individuals with either type I or type II diabetes mellitus.