

[Open Peer Review on Qeios](#)

# K ATP Channel-Associated Diabetes Mellitus

National Cancer Institute

## Source

National Cancer Institute. *K ATP Channel-Associated Diabetes Mellitus*. NCI Thesaurus. Code C131847.

Diabetes mellitus caused by activating mutation(s) in genes (KCNJ11 and/or ABCC8) encoding either of the 2 proteins (Kir6.2 and/or SUR1) that make up the pancreatic beta cell adenosine triphosphate-sensitive potassium channel, which is crucial for the regulation of glucose-induced insulin secretion.