

Download Pancreatic Beta Cell In Health And Disease

The pancreatic beta cell in health and disease Diabetes is a metabolic disease whose incidence has reached epidemic proportions worldwide. Diabetes results from inadequate production of insulin by the beta cells located in pancreatic islets: this leads to persistently elevated blood glucose levels, the hallmark symptom of diabetes. The beta cells of the pancreatic islets of Langerhans are the only cells in the body that produce and secrete insulin. This metabolic hormone plays a central role in the maintenance of glucose homeostasis. This book provides a comprehensive review of the beta cell in health and disease. The beta cells of the pancreatic islets of Langerhans are the only cells in the body that produce and secrete insulin, a key metabolic hormone, which plays a central role in the maintenance of glucose homeostasis regulating glucose uptake in muscle and adipose tissue as well as carbohydrate, fat, and protein metabolism in these tissues and the liver. Pancreatic Beta Cell and Disease. The beta cells of the pancreatic islets of Langerhans are the only cells in the body that produce and secrete insulin, a key metabolic hormone, which plays a central role in the maintenance of glucose homeostasis regulating glucose uptake in muscle and adipose tissue as well as carbohydrate, fat,...