

Abstract

GENETICALLY MODIFIED ANIMAL AND USE THEREOF

The present invention provides a transgenic mouse retaining a DNA that encodes an exogenous GPR40 in an
5 expressible state, wherein (1) the insulin secretion capacity has been increased, and/or (2) the glucose tolerance has been improved, compared with the corresponding non-transgenic mouse, or a portion of the living body thereof, a screening method for a prophylactic/therapeutic drug for diabetes mellitus and
10 metabolic syndrome using the transgenic mouse, and the like.