

AGER Conditional Knockout Transgenic Mice (Columbia)

AGER conditional knockout transgenic mice are useful for studying the deletion of Ager, a gene encoding RAGE, that is implicated in energy metabolism and obesity.

These adipocyte-specific Ager-deleted mice were developed using a floxed mouse line, suitable for the generation of a conditional deletion model for the Ager gene. Agerflox/flox mice were bred with Adiponectin (Adipoq) Cre-recombinase mice to yield Agerflox/flox Adipoq Cre (+) and Agerflox/flox Adipoq Cre (-) littermate mice, resulting in deletion of Ager from both white and brown adipose tissue depots. These mice display superior metabolic recovery after fasting, a cold challenge, or high-fat feeding.

Technology ID

SCH08-10

Category

Doug Brawley Life Sciences/Materials/Mouse Models

Authors

Ann Marie Schmidt, MD

View online

