



NYU



## 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.

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### Category

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