

IRG1 CONDITIONAL KNOCKOUT MOUSE

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Irg1^{-/-} mice were generated after receiving embryonic stem cells (ESCs) from the Knockout Mouse Project Repository containing an insertion cassette between exons 3 and 4. This cassette prevents transcription of downstream exons 4 and 5 and production of mature protein. *Irg1*^{-/-} C57BL/6N ESCs were microinjected into (Cg)-*Tyrc*-2J/J albino recipient female C57BL/6 mouse blastocysts. Chimeric mice with black coat color were selected and bred to wild-type C57BL/6N mice. Homozygous *Irg1*^{-/-} mice were generated by intercrossing the heterozygous animals and confirmed by PCR. *Irg1*^{-/-} mice were fertile and exhibited normal Mendelian frequencies, and BMDM from both sexes were used.

Publication: [Itaconate Links Inhibition of Succinate Dehydrogenase with Macrophage Metabolic Remodeling and Regulation of Inflammation](#)