

Resource Summary Report

Generated by [T1D](#) on Sep 20, 2026

[Arntl^{tm1.2Shbi}/Arntl^{tm1.2Shbi}](#)

RRID:MGI:5613396

Type: Organism

Proper Citation

RRID:MGI:5613396

Organism Information

URL:

Proper Citation: RRID:MGI:5613396

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: increased liver triglyceride level, increased respiratory quotient, increased triglyceride level, abnormal gluconeogenesis, abnormal glucose homeostasis, decreased circulating insulin level, increased circulating HDL cholesterol level, increased circulating triglyceride level, hepatic steatosis, increased circulating cholesterol level, enlarged pancreatic islets, decreased insulin secretion, increased circulating free fatty acid level, decreased susceptibility to diet-induced obesity, abnormal locomotor circadian rhythm, abnormal lipid level, behavior/neurological phenotype, decreased body weight, decreased circulating HDL cholesterol level, decreased circulating VLDL triglyceride level, homeostasis/metabolism phenotype, hyperglycemia, impaired glucose tolerance, increased sebum secretion, decreased total body fat amount, increased circulating LDL cholesterol level, increased circulating VLDL cholesterol level, decreased white fat cell size

Affected Gene: Arntl

Genomic Alteration: tm1.2Shbi

Catalog Number: 5613396

Background: involves: C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21966465](#)

Organism Name: Arntl^{tm1.2Shbi}/Arntl^{tm1.2Shbi}

Record Creation Time: 20240120T190036+0000

Record Last Update: 20240130T201659+0000

Ratings and Alerts

No rating or validation information has been found for Arntl^{tm1.2Shbi}/Arntl^{tm1.2Shbi}.

No alerts have been found for Arntl^{tm1.2Shbi}/Arntl^{tm1.2Shbi}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Hasan N, et al. (2021) Brown adipocyte-specific knockout of Bmal1 causes mild but significant thermogenesis impairment in mice. Molecular metabolism, 49, 101202.