

Resource Summary Report

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C57BL/6N-Prkab1tm1b(KOMP)Wtsi/MbpMmucd

RRID:MMRRC_049199-UCD

Type: Organism

Proper Citation

RRID:MMRRC_049199-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=49199

Proper Citation: RRID:MMRRC_049199-UCD

Description: Mus musculus with name C57BL/6N-Prkab1tm1b(KOMP)Wtsi/MbpMmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

Phenotype: increased bone mineral density [MP:0000062] decreased circulating LDL cholesterol level [MP:0000183] decreased circulating HDL cholesterol level [MP:0000186] decreased hematocrit [MP:0000208] extramedullary hematopoiesis [MP:0000240] abnormal erythropoiesis [MP:0000245] echinocytosis [MP:0000256] enlarged heart [MP:0000274] schistocytosis [MP:0000314] abnormal spleen morphology [MP:0000689] enlarged spleen [MP:0000691] anophthalmia [MP:0001293] abnormal lens morphology [MP:0001303] hemolytic anemia [MP:0001585] abnormal bone marrow morphology [MP:0002397] abnormal erythrocyte morphology [MP:0002447] decreased mean corpuscular volume [MP:0002591] increased mean platelet volume [MP:0002599] increased heart rate [MP:0002626] reticulocytosis [MP:0002640] anisocytosis [MP:0002642] abnormal retinal vasculature morphology [MP:0002792] microcytic anemia [MP:0002810] microcytosis [MP:0002813] decreased hemoglobin content [MP:0002874] decreased erythrocyte cell number [MP:0002875] increased erythroid progenitor cell number [MP:0003135] abnormal locomotor activation [MP:0003313] abnormal erythrocyte osmotic lysis [MP:0003657] decreased lean body mass [MP:0003961] decreased circulating iron level [MP:0004151] increased spleen weight [MP:0004952] decreased T cell number [MP:0005018] decreased circulating cholesterol level [MP:0005179] impaired glucose tolerance [MP:0005293] increased circulating bilirubin level [MP:0005344] immune system phenotype [MP:0005387] decreased mean corpuscular hemoglobin [MP:0005562] decreased mean corpuscular hemoglobin concentration [MP:0005642] increased glycosylated hemoglobin level [MP:0006353]

decreased CD8-positive [MP:0008079]| alpha-beta T cell number [MP:0008476]| increased spleen red pulp amount [MP:0008805]| decreased circulating amylase level [MP:0008809]| increased spleen iron level [MP:0010025]| decreased total body fat amount [MP:0010067]| increased red blood cell distribution width [MP:0010074]| stomatocytosis [MP:0010097]| abnormal retinal blood vessel morphology [MP:0010177]| acanthocytosis [MP:0010507]| shortened RR interval [MP:0011110]| preweaning lethality [MP:0011178]| incomplete penetrance [MP:0011285]| increased erythroblast number [MP:0011890]| increased circulating erythropoietin level [MP:0011913]| increased circulating ferritin level [MP:0013418]| abnormal reticulocyte cell number [MP:0013435]| increased memory-marker gamma-delta T cell number [MP:0013691]| decreased CD8-positive [MP:0013772]

Affected Gene: Prkab1

Catalog Number: 049199-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_49199-UCD, MMRRC_049199, MMRRC_49199

Organism Name: C57BL/6N-*Prkab1tm1b(KOMP)Wtsi*/MbpMmucd

Record Creation Time: 20230308T055303+0000

Record Last Update: 20260815T125531+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-*Prkab1tm1b(KOMP)Wtsi*/MbpMmucd.

No alerts have been found for C57BL/6N-*Prkab1tm1b(KOMP)Wtsi*/MbpMmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.