

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: 20260808T124423+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.