Resource Summary Report

Generated by dkNET on Aug 22, 2026

B6.129-Rarg^{tm3Ipc} Tg(Cdh5(PAC)Cre/ERT2)1Rha Gt(ROSA)26Sor/StVApb

RRID:IMSR_APB:8999
Type: Organism

Proper Citation

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Organism Information

URL: https://db.pb.apf.edu.au/phenbank/strain.html?id=8999

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Description: Mus musculus with name B6.129-Rarg^{tm3Ipc} Tg(Cdh5(PAC)Cre/ERT2)1Rha Gt(ROSA)26Sor/StVApb from IMSR.

Species: Mus musculus

Notes: gene symbol note: |gene trap ROSA 26; Philippe Soriano|retinoic acid receptor; gamma; mutant strain: |Gt(ROSA)26Sor|Rarg

Affected Gene: |gene trap ROSA 26; Philippe Soriano|retinoic acid receptor; gamma

Genomic Alteration: transgene insertion 1; Ralf H Adams|targeted mutation 4; Liqun Luo|targeted mutation 3; Pierre Chambon

Catalog Number: APB:8999

Database: Australian Phenome Bank

Database Abbreviation: APB

Availability: sperm

Organism Name: B6.129-Rarg^{tm3Ipc} Tg(Cdh5(PAC)Cre/ERT2)1Rha Gt(ROSA)26Sor /StVApb

Record Creation Time: 20250513T062408+0000

Record Last Update: 20260815T055932+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Rarg^{tm3Ipc} Tg(Cdh5(PAC)Cre/ERT2)1Rha Gt(ROSA)26Sor/StVApb.

No alerts have been found for B6.129-Rarg^{tm3Ipc} Tg(Cdh5(PAC)Cre/ERT2)1Rha Gt(ROSA)26Sor/StVApb.

Data and Source Information

Source: Integrated Animals

Source Database: Australian Phenome Bank

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Ramalingam P, et al. (2023) Restoring bone marrow niche function rejuvenates aged hematopoietic stem cells by reactivating the DNA Damage Response. Nature communications, 14(1), 2018.

Faber JE, et al. (2023) Large differences in collateral blood vessel abundance among individuals arise from multiple genetic variants. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, 43(11), 1983.

Davies EM, et al. (2023) PI(4,5)P2-dependent regulation of endothelial tip cell specification contributes to angiogenesis. Science advances, 9(13), eadd6911.

Kobayashi M, et al. (2023) HSC-independent definitive hematopoiesis persists into adult life. Cell reports, 42(3), 112239.

Beter M, et al. (2023) SproutAngio: an open-source bioimage informatics tool for quantitative analysis of sprouting angiogenesis and lumen space. Scientific reports, 13(1), 7279.

Yau ACY, et al. (2022) Inflammation and neutrophil extracellular traps in cerebral cavernous malformation. Cellular and molecular life sciences : CMLS, 79(4), 206.

Mammoto T, et al. (2022) Hydrostatic Pressure Controls Angiogenesis Through Endothelial YAP1 During Lung Regeneration. Frontiers in bioengineering and biotechnology, 10, 823642.

Fleig S, et al. (2022) Loss of vascular endothelial notch signaling promotes spontaneous formation of tertiary lymphoid structures. Nature communications, 13(1), 2022.

Vigil TM, et al. (2022) Aconitate decarboxylase 1 suppresses cerebral ischemia-reperfusion injury in mice. Experimental neurology, 347, 113902.

Perrotta P, et al. (2022) PFKFB3 gene deletion in endothelial cells inhibits intraplaque angiogenesis and lesion formation in a murine model of venous bypass grafting. Angiogenesis, 25(1), 129.

Richards M, et al. (2022) Claudin5 protects the peripheral endothelial barrier in an organ and vessel-type-specific manner. eLife, 11.

Kyi P, et al. (2022) Endothelial senescence mediates hypoxia-induced vascular remodeling by modulating PDGFB expression. Frontiers in medicine, 9, 908639.

Rodrigues J, et al. (2022) Oestrogen enforces the integrity of blood vessels in the bone during pregnancy and menopause. Nature cardiovascular research, 1, 918.

MacKay CE, et al. (2022) A plasma membrane-localized polycystin-1/polycystin-2 complex in endothelial cells elicits vasodilation. eLife, 11.

Tran NL, et al. (2022) Continuous sensing of IFN? by hepatic endothelial cells shapes a vascular antimetastatic barrier. eLife, 11.

Park S, et al. (2022) Endothelial ?-arrestins regulate mechanotransduction by the type II bone morphogenetic protein receptor in primary cilia. Pulmonary circulation, 12(4), e12167.

Guo Q, et al. (2022) Liver sinusoidal endothelial cell expressed vascular cell adhesion molecule 1 promotes liver fibrosis. Frontiers in immunology, 13, 983255.

Colón Ortiz C, et al. (2022) Neurovascular injury associated non-apoptotic endothelial caspase-9 and astroglial caspase-9 mediate inflammation and contrast sensitivity decline. Cell death & disease, 13(11), 937.

Dinh TT, et al. (2022) An NKX-COUP-TFII morphogenetic code directs mucosal endothelial addressin expression. Nature communications, 13(1), 7448.

Petrillo S, et al. (2021) Endothelial Heme Dynamics Drive Cancer Cell Metabolism by Shaping the Tumor Microenvironment. Biomedicines, 9(11).