

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

CD104

RRID:AB_395027

Type: Antibody

Proper Citation

BD Biosciences Cat# 553745, RRID:AB_395027

Antibody Information

URL: http://antibodyregistry.org/AB_395027

Proper Citation: BD Biosciences Cat# 553745, RRID:AB_395027

Target Antigen: CD104

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry, Immunohistochemistry-frozen

Antibody Name: CD104

Description: This monoclonal targets CD104

Target Organism: mouse

Antibody ID: AB_395027

Vendor: BD Biosciences

Catalog Number: 553745

Record Creation Time: 20250820T061623+0000

Record Last Update: 20250820T234028+0000

Ratings and Alerts

No rating or validation information has been found for CD104.

No alerts have been found for CD104.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Canato S, et al. (2025) Survivin Promotes Stem Cell Competence for Skin Cancer Initiation. *Cancer discovery*, 15(2), 427.

Sarate RM, et al. (2024) Dynamic regulation of tissue fluidity controls skin repair during wound healing. *Cell*, 187(19), 5298.

Porpiglia E, et al. (2022) Elevated CD47 is a hallmark of dysfunctional aged muscle stem cells that can be targeted to augment regeneration. *Cell stem cell*, 29(12), 1653.

Kato T, et al. (2021) Dynamic stem cell selection safeguards the genomic integrity of the epidermis. *Developmental cell*, 56(24), 3309.

Liu F, et al. (2021) miR-24 controls the regenerative competence of hair follicle progenitors by targeting Plk3. *Cell reports*, 35(10), 109225.

Li MY, et al. (2021) UV-induced reduction in Polycomb repression promotes epidermal pigmentation. *Developmental cell*, 56(18), 2547.

Biswas R, et al. (2021) Mechanical instability of adherens junctions overrides intrinsic quiescence of hair follicle stem cells. *Developmental cell*, 56(6), 761.

Ning W, et al. (2021) Differentiated Daughter Cells Regulate Stem Cell Proliferation and Fate through Intra-tissue Tension. *Cell stem cell*, 28(3), 436.

Seldin L, et al. (2020) DNA Damage Promotes Epithelial Hyperplasia and Fate Mis-specification via Fibroblast Inflammasome Activation. *Developmental cell*, 55(5), 558.

Xi L, et al. (2020) m6A RNA methylation impacts fate choices during skin morphogenesis. *eLife*, 9.

Dekoninck S, et al. (2020) Defining the Design Principles of Skin Epidermis Postnatal Growth. *Cell*, 181(3), 604.

Carper MB, et al. (2019) An Immunocompetent Mouse Model of HPV16(+) Head and Neck Squamous Cell Carcinoma. *Cell reports*, 29(6), 1660.

Dubois-Vedrenne I, et al. (2019) Expression of Bioactive Chemerin by Keratinocytes Inhibits Late Stages of Tumor Development in a Chemical Model of Skin Carcinogenesis. *Frontiers in oncology*, 9, 1253.

Lough KJ, et al. (2019) Telophase correction refines division orientation in stratified epithelia. *eLife*, 8.

Jones KB, et al. (2019) Quantitative Clonal Analysis and Single-Cell Transcriptomics Reveal Division Kinetics, Hierarchy, and Fate of Oral Epithelial Progenitor Cells. *Cell stem cell*, 24(1), 183.

Doron H, et al. (2019) Inflammatory Activation of Astrocytes Facilitates Melanoma Brain Tropism via the CXCL10-CXCR3 Signaling Axis. *Cell reports*, 28(7), 1785.

Bar C, et al. (2019) Polycomb Repressive Complex 1 Controls Maintenance of Fungiform Papillae by Repressing Sonic Hedgehog Expression. *Cell reports*, 28(1), 257.

Adam RC, et al. (2018) Temporal Layering of Signaling Effectors Drives Chromatin Remodeling during Hair Follicle Stem Cell Lineage Progression. *Cell stem cell*, 22(3), 398.

Cohen I, et al. (2018) PRC1 Fine-tunes Gene Repression and Activation to Safeguard Skin Development and Stem Cell Specification. *Cell stem cell*, 22(5), 726.

Sumigraý KD, et al. (2018) Morphogenesis and Compartmentalization of the Intestinal Crypt. *Developmental cell*, 45(2), 183.