

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

Connexin 43 / GJA1 antibody

RRID:AB_297976

Type: Antibody

Proper Citation

Abcam Cat# ab11370, RRID:AB_297976

Antibody Information

URL: http://antibodyregistry.org/AB_297976

Proper Citation: Abcam Cat# ab11370, RRID:AB_297976

Target Antigen: Connexin 43 / GJA1 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: ICC, ICC/IF, IF, IHC-Fr, IHC-P, WB; Immunohistochemistry - frozen; Western Blot; Immunocytochemistry; Immunohistochemistry - fixed; Immunofluorescence; Immunohistochemistry

Antibody Name: Connexin 43 / GJA1 antibody

Description: This polyclonal targets Connexin 43 / GJA1 antibody

Target Organism: chicken, monkey, rat, hamster, cow, mouse, chickenbird, bovine, human

Antibody ID: AB_297976

Vendor: Abcam

Catalog Number: ab11370

Record Creation Time: 20250820T044534+0000

Record Last Update: 20250820T195107+0000

Ratings and Alerts

No rating or validation information has been found for Connexin 43 / GJA1 antibody.

No alerts have been found for Connexin 43 / GJA1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Brun-Cosme-Bruny M, et al. (2026) Calcium waves and nuclear tension changes coordinate mechanical stress dissipation in locally folded epithelia. *iScience*, 29(1), 114477.

Kim K, et al. (2025) Meningeal lymphatics-microglia axis regulates synaptic physiology. *Cell*, 188(10), 2705.

Kumari R, et al. (2025) Retrograde control of sympathetic neuron-satellite glia interactions by target-derived NGF signaling. *Cell reports*, 44(12), 116697.

Ding C, et al. (2025) A functional cardiac patch promotes cardiac repair by modulating the CCR2- cardiac-resident macrophage niche and their cell crosstalk. *Cell reports. Medicine*, 6(2), 101932.

Schickel E, et al. (2025) Human cerebral organoids model tumor initiation and infiltration in an autologous astrocyte-supported setting. *iScience*, 28(9), 113334.

Swift SK, et al. (2024) A broadly applicable method for quantifying cardiomyocyte cell division identifies proliferative events following myocardial infarction. *Cell reports methods*, 4(9), 100860.

Matrongolo MJ, et al. (2023) Loss of Twist1 and balanced retinoic acid signaling from the meninges causes cortical folding in mice. *Development (Cambridge, England)*, 150(18).

Zhan R, et al. (2023) NAD⁺ rescues aging-induced blood-brain barrier damage via the CX43-PARP1 axis. *Neuron*, 111(22), 3634.

Pierre M, et al. (2023) Cardiac involvement in patient-specific induced pluripotent stem cells of myotonic dystrophy type 1: unveiling the impact of voltage-gated sodium channels. *Frontiers in physiology*, 14, 1258318.

Nishimura Y, et al. (2023) Early and extensive alterations of glial connexins, distal oligodendroglipathy type demyelination, and nodal/paranodal pathology are characteristic of multiple system atrophy. *Brain pathology (Zurich, Switzerland)*, 33(3), e13131.

Genet N, et al. (2023) Connexin 43-mediated neurovascular interactions regulate neurogenesis in the adult brain subventricular zone. *Cell reports*, 42(4), 112371.

Chapotte-Baldacci CA, et al. (2023) Biophysical properties of NaV1.5 channels from atrial-like and ventricular-like cardiomyocytes derived from human induced pluripotent stem cells. *Scientific reports*, 13(1), 20685.

Sun YH, et al. (2023) The sinoatrial node extracellular matrix promotes pacemaker phenotype and protects automaticity in engineered heart tissues from cyclic strain. *Cell reports*, 42(12), 113505.

Kim S, et al. (2023) Estradiol and 3 β -diol protect female cortical astrocytes by regulating connexin 43 Gap Junctions. *Molecular and cellular endocrinology*, 578, 112045.

Huang CY, et al. (2022) Population-based high-throughput toxicity screen of human iPSC-derived cardiomyocytes and neurons. *Cell reports*, 39(1), 110643.

Yang D, et al. (2022) Modeling human multi-lineage heart field development with pluripotent stem cells. *Cell stem cell*, 29(9), 1382.

Campostrini G, et al. (2021) Generation, functional analysis and applications of isogenic three-dimensional self-aggregating cardiac microtissues from human pluripotent stem cells. *Nature protocols*, 16(4), 2213.

Tirosh A, et al. (2021) Intercellular Transmission of Hepatic ER Stress in Obesity Disrupts Systemic Metabolism. *Cell metabolism*, 33(2), 319.

Melacarne A, et al. (2021) Identification of a class of non-conventional ER-stress-response-derived immunogenic peptides. *Cell reports*, 36(1), 109312.

Giacomelli E, et al. (2020) Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. *Cell stem cell*, 26(6), 862.