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.

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

Nishimura Y, et al. (2023) Early and extensive alterations of glial connexins, distal oligodendrogliopathy type demyelination, and nodal/paranodal pathology are characteristic

of multiple system atrophy. Brain pathology (Zurich, Switzerland), 33(3), e13131.

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.

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.

Kim S, et al. (2023) Estradiol and 3??-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.

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

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

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.