Resource Summary Report

Generated by NIF on Aug 31, 2026

Rabbit Anti-Human / Rat Connexin-43 Antibody, Unconjugated

RRID:AB_476857
Type: Antibody

Proper Citation

Sigma-Aldrich Cat# C6219, RRID:AB_476857

Antibody Information

URL: http://antibodyregistry.org/AB_476857

Proper Citation: Sigma-Aldrich Cat# C6219, RRID:AB_476857

Target Antigen: Connexin-43

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: immunocytochemistry, immunohistochemistry (formalin-fixed, paraffin-embedded sections), immunohistochemistry (frozen sections), indirect immunofluorescence, microarray, western blot

Antibody Name: Rabbit Anti-Human / Rat Connexin-43 Antibody, Unconjugated

Description: This polyclonal targets Connexin-43

Target Organism: Human, Mammals

Defining Citation: PMID:18041776, PMID:28431249

Antibody ID: AB_476857

Vendor: Sigma-Aldrich

Catalog Number: C6219

Record Creation Time: 20250820T053152+0000

Record Last Update: 20250820T214715+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Human / Rat Connexin-43 Antibody, Unconjugated.

No alerts have been found for Rabbit Anti-Human / Rat Connexin-43 Antibody, Unconjugated.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Muñoz-Ballester C, et al. (2026) Astrocytic connexin43 phosphorylation contributes to seizure susceptibility after mild traumatic brain injury. The FEBS journal.

Liu Y, et al. (2026) Human PSC-derived organoids model sympathetic ganglion development and its functional crosstalk with the heart. Cell stem cell, 33(1), 29.

Rodríguez-Candela Mateos M, et al. (2026) Nanoencapsulated senotherapeutic compounds targeting connexin-43 for enhanced wound healing. iScience, 29(2), 114547.

Puangmalai N, et al. (2026) Connexin 50 mediates disease-relevant alpha-synuclein oligomer propagation and neuroinflammation in neurodegenerative disease. iScience, 29(7), 116399.

Denaro S, et al. (2026) Connexin Regulation and Modulation of Neural Stem Cell Differentiation Induced by Cell-Permeable Itaconate. Journal of cellular physiology, 241(5), e70185.

Sandoval KIO, et al. (2026) EMMIs: Engineered Myometrial Microtissues for Direct Quantification of Oxytocin-Induced Contractility. bioRxiv : the preprint server for biology.

Sardella-Silva G, et al. (2026) Optimized laminin surfaces induce spontaneous myelination by neonate mice dorsal root ganglia. Molecular and cellular neurosciences, 137, 104089.

Medina-López AM, et al. (2026) Cellular Characterization Using Microwave-Assisted Immunocytochemistry, A Time-Efficient Alternative to Traditional Immunocytochemistry. Current protocols, 6(4), e70363.

de Korte T, et al. (2025) Industrialization of 3D hiPSC-cardiac microtissues for high-throughput cardiac safety and drug discovery screening. Trends in biotechnology.

Yuan C, et al. (2025) Assessing the barrier function of the retinal pigment epithelium in adult mice using transepithelial electrical resistance measurements and quantitative immunohistochemistry. Experimental eye research, 110817.

Krolak T, et al. (2025) Brain endothelial gap junction coupling enables rapid vasodilation propagation during neurovascular coupling. Cell, 188(18), 5003.

Tamilkumar VN, et al. (2025) Epithelial fusion is mediated by a partial epithelial-mesenchymal transition. Biology open, 14(9).

Hanna P, et al. (2025) Noradrenergic and cholinergic innervation of the normal human heart and changes associated with cardiomyopathy. Anatomical record (Hoboken, N.J. : 2007).

Vebr P, et al. (2025) Long-term exposure to moderate cold reduces incidence of reperfusion tachyarrhythmias in rats. Journal of applied physiology (Bethesda, Md. : 1985), 139(5), 1156.

O'Hern C, et al. (2025) Human heart-macrophage assembloids mimic immune-cardiac interactions and enable arrhythmia disease modeling. Cell stem cell, 32(11), 1671.

Ryu JE, et al. (2024) Circadian regulation of endoplasmic reticulum calcium response in cultured mouse astrocytes. eLife, 13.

Li J, et al. (2024) Human induced pluripotent stem cell-derived closed-loop cardiac tissue for drug assessment. iScience, 27(2), 108992.

King AC, et al. (2024) Modulation of SNARE-dependent exocytosis in astrocytes improves neuropathology in Huntington's disease. Disease models & mechanisms, 17(11).

Tao S, et al. (2024) IP3RPEP6, a novel peptide inhibitor of IP3 receptor channels that does not affect connexin-43 hemichannels. Acta physiologica (Oxford, England), 240(3), e14086.

Obot P, et al. (2024) Pannexin1 Mediates Early-Life Seizure-Induced Social Behavior Deficits. ASN neuro, 16(1), 2371164.