# **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on Apr 30, 2025

# **Claudin 5 antibody**

RRID:AB\_301652 Type: Antibody

#### **Proper Citation**

(Abcam Cat# ab15106, RRID:AB\_301652)

#### Antibody Information

URL: http://antibodyregistry.org/AB\_301652

Proper Citation: (Abcam Cat# ab15106, RRID:AB\_301652)

Target Antigen: Claudin 5 antibody

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: Claudin 5 antibody

Description: This polyclonal targets Claudin 5 antibody

Target Organism: mouse, human

Antibody ID: AB\_301652

Vendor: Abcam

Catalog Number: ab15106

Record Creation Time: 20231110T081520+0000

Record Last Update: 20241115T114107+0000

# **Ratings and Alerts**

No rating or validation information has been found for Claudin 5 antibody.

No alerts have been found for Claudin 5 antibody.

### Data and Source Information

Source: Antibody Registry

## **Usage and Citation Metrics**

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Wang XF, et al. (2024) The liver and muscle secreted HFE2-protein maintains central nervous system blood vessel integrity. Nature communications, 15(1), 1037.

Yu B, et al. (2023) Glycolytic enzyme PFKFB3 regulates sphingosine 1-phosphate receptor 1 in proangiogenic glomerular endothelial cells under diabetic condition. American journal of physiology. Cell physiology, 325(5), C1354.

Abdul-Muneer PM, et al. (2022) Synergistic effect of mild traumatic brain injury and alcohol aggravates neuroinflammation, amyloidogenesis, tau pathology, neurodegeneration, and blood-brain barrier alterations: Impact on psychological stress. Experimental neurology, 358, 114222.

Hajal C, et al. (2022) Engineered human blood-brain barrier microfluidic model for vascular permeability analyses. Nature protocols, 17(1), 95.

Yang GL, et al. (2021) A Protective Role of Tumor Necrosis Factor Superfamily-15 in Intracerebral Hemorrhage-Induced Secondary Brain Injury. ASN neuro, 13, 17590914211038441.

Yu R, et al. (2021) Mulberroside A repairs high fructose diet-induced damage of intestinal epithelial and blood-brain barriers in mice: A potential for preventing hippocampal neuroinflammatory injury. Journal of neurochemistry, 157(6), 1979.

Meng H, et al. (2021) Synthetic VSMCs induce BBB disruption mediated by MYPT1 in ischemic stroke. iScience, 24(9), 103047.

Wu L, et al. (2021) ErbB3 is a critical regulator of cytoskeletal dynamics in brain microvascular endothelial cells: Implications for vascular remodeling and blood brain barrier modulation. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, 41(9), 2242.

Liu X, et al. (2020) Hypercapnia Exacerbates the Blood-Brain Barrier Disruption Via Promoting HIF-1a Nuclear Translocation in the Astrocytes of the Hippocampus: Implication in Further Cognitive Impairment in Hypoxemic Adult Rats. Neurochemical research, 45(7), 1674.

Zhao Q, et al. (2019) HDAC3 inhibition prevents oxygen glucose deprivation/reoxygenationinduced transendothelial permeability by elevating PPAR? activity in vitro. Journal of neurochemistry, 149(2), 298.

Lubkin A, et al. (2019) Staphylococcus aureus Leukocidins Target Endothelial DARC to Cause Lethality in Mice. Cell host & microbe, 25(3), 463.

Zhao Q, et al. (2019) HDAC3 inhibition prevents blood-brain barrier permeability through Nrf2 activation in type 2 diabetes male mice. Journal of neuroinflammation, 16(1), 103.

Bhowmick S, et al. (2019) Impairment of pericyte-endothelium crosstalk leads to blood-brain barrier dysfunction following traumatic brain injury. Experimental neurology, 317, 260.

Bai Y, et al. (2018) Circular RNA DLGAP4 Ameliorates Ischemic Stroke Outcomes by Targeting miR-143 to Regulate Endothelial-Mesenchymal Transition Associated with Blood-Brain Barrier Integrity. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(1), 32.

Biemans EALM, et al. (2017) Limitations of the hCMEC/D3 cell line as a model for A? clearance by the human blood-brain barrier. Journal of neuroscience research, 95(7), 1513.