

Resource Summary Report

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Claudin 5 Polyclonal Antibody

RRID:AB_2533157

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# 34-1600, RRID:AB_2533157)

Antibody Information

URL: http://antibodyregistry.org/AB_2533157

Proper Citation: (Thermo Fisher Scientific Cat# 34-1600, RRID:AB_2533157)

Target Antigen: Claudin 5

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: ICC/IF (Assay-dependent), WB (Assay-dependent), ELISA (Assay-dependent)

Antibody Name: Claudin 5 Polyclonal Antibody

Description: This polyclonal targets Claudin 5

Target Organism: mouse, human

Defining Citation:

[PMID:12909588](#), [PMID:17197287](#), [PMID:14715519](#), [PMID:12808048](#), [PMID:21257729](#),
[PMID:22886143](#), [PMID:19571261](#), [PMID:16508790](#), [PMID:15550553](#), [PMID:23391266](#),
[PMID:23151074](#), [PMID:15258179](#), [PMID:22244977](#), [PMID:24665408](#), [PMID:12660149](#),
[PMID:22144466](#), [PMID:19473988](#), [PMID:25838984](#), [PMID:25474413](#), [PMID:23876515](#),
[PMID:26078353](#), [PMID:25907035](#), [PMID:25762685](#), [PMID:24069438](#), [PMID:17300235](#),
[PMID:16957815](#), [PMID:25546475](#), [PMID:25470344](#), [PMID:26869042](#), [PMID:19153196](#),
[PMID:23626836](#), [PMID:24583950](#), [PMID:22946046](#), [PMID:21617913](#), [PMID:23926278](#),
[PMID:25153024](#), [PMID:25689256](#), [PMID:24392113](#), [PMID:25107608](#), [PMID:21917810](#),
[PMID:21762372](#), [PMID:19726564](#), [PMID:22782669](#), [PMID:15792985](#), [PMID:17560040](#),
[PMID:15226402](#), [PMID:23554480](#), [PMID:25816133](#), [PMID:27030194](#), [PMID:27139776](#),
[PMID:12743111](#), [PMID:25753034](#), [PMID:23428182](#), [PMID:18629939](#), [PMID:22896632](#),
[PMID:17828607](#), [PMID:20127760](#), [PMID:27038654](#), [PMID:12145796](#), [PMID:17686954](#),
[PMID:24035394](#), [PMID:27603666](#), [PMID:26790027](#), [PMID:18092342](#), [PMID:15942048](#),
[PMID:27504984](#), [PMID:12110008](#), [PMID:21983942](#)

Antibody ID: AB_2533157

Vendor: Thermo Fisher Scientific

Catalog Number: 34-1600

Record Creation Time: 20250416T092642+0000

Record Last Update: 20250416T100757+0000

Ratings and Alerts

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

No alerts have been found for Claudin 5 Polyclonal Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Vázquez-Liébanas E, et al. (2024) Mosaic deletion of claudin-5 reveals rapid non-cell-autonomous consequences of blood-brain barrier leakage. Cell reports, 43(3), 113911.

Bhat GP, et al. (2024) Structured wound angiogenesis instructs mesenchymal barrier compartments in the regenerating nerve. *Neuron*, 112(2), 209.

Biswas S, et al. (2024) Glutamatergic neuronal activity regulates angiogenesis and blood-retinal barrier maturation via Norrin/ β -catenin signaling. *Neuron*, 112(12), 1978.

Bejarano L, et al. (2024) Interrogation of endothelial and mural cells in brain metastasis reveals key immune-regulatory mechanisms. *Cancer cell*, 42(3), 378.

Lugano R, et al. (2023) CD93 maintains endothelial barrier function by limiting the phosphorylation and turnover of VE-cadherin. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(4), e22894.

King MA, et al. (2023) Amino acid solution mitigates hypothermia response and intestinal damage following exertional heat stroke in male mice. *Physiological reports*, 11(10), e15681.

Hood RJ, et al. (2023) Leakage beyond the primary lesion: A temporal analysis of cerebrovascular dysregulation at sites of hippocampal secondary neurodegeneration following cortical photothrombotic stroke. *Journal of neurochemistry*, 167(6), 733.

Imbernon M, et al. (2022) Tanycytes control hypothalamic liraglutide uptake and its anti-obesity actions. *Cell metabolism*, 34(7), 1054.

Misan N, et al. (2022) Molecular Indicators of Blood-Brain Barrier Breakdown and Neuronal Injury in Pregnancy Complicated by Fetal Growth Restriction. *International journal of molecular sciences*, 23(22).

Muranyi W, et al. (2022) Immortalized human choroid plexus endothelial cells enable an advanced endothelial-epithelial two-cell type in vitro model of the choroid plexus. *iScience*, 25(6), 104383.

Kuo A, et al. (2022) Murine endothelial serine palmitoyltransferase 1 (SPTLC1) is required for vascular development and systemic sphingolipid homeostasis. *eLife*, 11.

Chang JH, et al. (2022) Methamphetamine enhances caveolar transport of therapeutic agents across the rodent blood-brain barrier. *Cell reports. Medicine*, 3(1), 100497.

Li Y, et al. (2022) An oxygen-adaptive interaction between SNHG12 and occludin maintains blood-brain barrier integrity. *Cell reports*, 39(2), 110656.

Manian KV, et al. (2021) 3D iPSC modeling of the retinal pigment epithelium-choriocapillaris complex identifies factors involved in the pathology of macular degeneration. *Cell stem cell*, 28(5), 846.

Nanou A, et al. (2021) Endothelial Tpl2 regulates vascular barrier function via JNK-mediated degradation of claudin-5 promoting neuroinflammation or tumor metastasis. *Cell reports*, 35(8), 109168.

Zarkada G, et al. (2021) Specialized endothelial tip cells guide neuroretina vascularization and blood-retina-barrier formation. *Developmental cell*, 56(15), 2237.

He Q, et al. (2020) Herpes Simplex Virus 1-Induced Blood-Brain Barrier Damage Involves Apoptosis Associated With GM130-Mediated Golgi Stress. *Frontiers in molecular neuroscience*, 13, 2.

Chow BW, et al. (2020) Caveolae in CNS arterioles mediate neurovascular coupling. *Nature*, 579(7797), 106.

Xu B, et al. (2020) Transplantation of iPS-derived vascular endothelial cells improves white matter ischemic damage. *Journal of neurochemistry*, 153(6), 759.

Duarte Lobo D, et al. (2020) The blood-brain barrier is disrupted in Machado-Joseph disease/spinocerebellar ataxia type 3: evidence from transgenic mice and human post-mortem samples. *Acta neuropathologica communications*, 8(1), 152.